

**FINAL REPORT
FOR
COMPREHENSIVE GROUNDWATER MONITORING
EVALUATION
AT
BOYERTOWN SANITARY DISPOSAL LANDFILL
GILBERTSVILLE, PENNSYLVANIA**

**PADEP CONTRACT NO. ME-359186
PADEP REQUISITION NO. 30-173**

Prepared for:



**Commonwealth of Pennsylvania
Department of Environmental Protection
Southeast Office
Two East Main Street
Norristown, PA 19041**



**United States Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2039**

JUNE 2004



**Tetra Tech FW, Inc.
One Oxford Valley – Suite 200
Langhorne, PA 19047 - 1829**



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NOTICE

The information in this document has been funded by the Pennsylvania Department of Environmental Protection (PADEP) under Contract No. ME-359186 to Tetra Tech FW, Inc. (TtFW). This document has been formally released by TtFW to PADEP.

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

**BOYERTOWN SANITARY DISPOSAL LANDFILL
COMPREHENSIVE GROUND WATER MONITORING EVALUATION**

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1.0 GENERAL INFORMATION

1.1 INTRODUCTION

Tetra Tech FW, Inc. (TtFW) has prepared this Final Report for the completion of a Comprehensive Groundwater Monitoring Evaluation (CME) for the Pennsylvania Department of Environmental Protection (PADEP) under PADEP Work Requisition Number 30-173 Contract Number ME-3591869, pursuant to the Pennsylvania Hazardous Sites Cleanup Act (HSCA) Act 108, October 18, 1988.

This document presents the data and data evaluation results as obtained through the split-sampling of groundwater, performed by TtFW at the Boyertown Sanitary Disposal (BSD) Landfill in Gilbertsville, Pennsylvania.

1.2 SITE DESCRIPTION

The BSD Landfill is owned by National Solid Waste Management Association (NSWMA) members, Mr. Warren K. Frame and Mr. Michael P. Miller. The BSD Landfill is located on approximately 100 acres at 300 Merkel Road in Gilbertsville, PA.

Figure 1-1 shows the location of the BSD Landfill. Figure 1-2 shows a facility plan view of the BSD Landfill including the locations of the 10 monitoring wells.

1.3 SITE HISTORY AND PREVIOUS SITE INVESTIGATIONS

The BSD Landfill is a PADEP-permitted solid waste landfill that accepted municipal waste and some amount of hazardous waste during the 1970s through to 1985. The policy of the owner/operator of the landfill has been to dispose of only those wastes that are approved under the current solid waste permit and those approved jointly by PADEP, the Berks-Montgomery Municipal Authority, and the Landfill Engineer. In September 1997 the BSD Landfill was closed with the installation of a municipal solid waste landfill cover. These closure activities, which were performed by Solmax International, included the installation of a 30 mil (0.75 mm) Poly vinyl chloride (PVC) cover over 1,600,000 ft² of the landfill.

The Commonwealth of Pennsylvania Court issued an order against the Chief Executive Officer of the BSD Landfill in September 1998. The order was in response to the failure to comply with the requirements of a 1997 PADEP Administrative Order. The court order required that a qualified environmental consultant be retained to assess the leachate management, gas management, and capping systems of the BSD Landfill. The court order also requires the completion of repairs and improvements required by the assessment to address environmentally harmful conditions by June 30, 1998.

The court order also required that quarterly groundwater monitoring resume no later than May 1, 1998 and continue thereafter. Requirements to sample raw and treated leachate were also imposed. Sampling was necessary to ensure consistency with the requirements of the Berks-Montgomery Municipal Authority wastewater treatment plant that receives the leachate. Arrangements were also to be made with the authority for the on-going full disposal of leachate.

According to a June 18, 1999 listing in the Montgomery County Enforcement Actions, the Chief Executive Officer of the BSD Landfill failed to comply with the September 1997 court order and allowed post-closure conditions at the landfill to deteriorate over several years. Necessary actions included maintenance

of the landfill's leachate system and gas flare equipment as well as submitting documentation to PADEP outlining leachate treatment and groundwater monitoring activities.

Trichloroethene (TCE) was detected in groundwater in the 1980s at concentrations as high as 68 parts per billion (ppb) in MW-1 (the garage well). More recent sampling events have shown a decrease in TCE concentrations. According to the Environmental Indicator determination completed at the BSD Landfill in 2000 by PADEP, the TCE contamination is not related to the landfill operation. Groundwater sampling at the BSD Landfill has not been on-going (conducted by the facility) as required by PADEP according to Conshohocken PADEP staff. PADEP conducts CMEs at the facility on an annual basis.

According to a letter from Applied Geotechnical and Environmental Services (AGES) to PADEP dated June 18, 1998, an evaluation was performed of the landfill and its systems in accordance with the March 1998 Administrative Order. The evaluation contained the following description of the systems at the site:

- Leachate Management System – includes effluent pump house, air stripper, leachate treatment plant, clarifier and fixed film reactor, effluent lagoons A and B, raw leachate lagoon, and manholes.
- Gas Management System – includes gas burner, blower unit, and auto igniter.

The June 18, 1998 document also indicated that the owner of the landfill had excavated two trenches at the top of the landfill to recirculate leachate in the fall of 1995. In 1997, the BSD backfilled these two trenches.

In 2001 there were reports of leachate seeps and landfill gas. There is a potential for off-site exposures to occur. An investigation is currently being worked on by PADEP and USEPA.

1.5 CME OBJECTIVES

The CME evaluates the adequacy of groundwater monitoring systems at RCRA land disposal facilities. The objective is to determine whether the facility has a groundwater monitoring system, which is adequately designed and operated to detect releases and to define the rate and extent of contaminant migration from a RCRA regulated unit. TtFW is not aware of any changes that have been made to the groundwater monitoring system at Boyertown Sanitary Disposal Landfill since the previous CME was conducted in May 2003.

2.0 CME SAMPLING EVENT

In collaboration with PADEP's Southeast Regional Office, TtFW performed split-sampling at BSD Landfill on April 13 and 14, 2004. This sampling event consisted of the collection of groundwater samples and surface water samples from the following locations: AMW-1, SMW-1, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, and MW-12. TtFW's monitoring well samples were analyzed for VOCs, metals and cyanide. PADEP's groundwater samples were analyzed for VOCs and metals. Additional water quality parameters were recorded. Duplicate, field blank, rinse blank and trip blank samples were also collected.

Prior to collection of the samples, a submersible pump and dedicated PVC tubing was used to purge each well for various volumes of water depending upon the depth of the wells. At the start of purging and following each well volume purged, parameters such as pH, temperature, conductivity, dissolved oxygen, and redox (water quality meter provided by TtFW) was measured and recorded in the field notebook.

During purging activities, TtFW also monitored the change in the depth to water. Once the groundwater reached a stable state, samples were collected. Groundwater samples were collected directly from the pump into pre-preserved bottle provided by the analytical laboratory. Purging records are shown in Appendix A.

2.1 CME SAMPLING EVENT RESULTS

TtFW and PADEP sent the collected groundwater samples to their respective laboratories for analysis. Once the results for the samples were received, PADEP forwarded the lab results to TtFW for evaluation and comparison. During the comparison of these results, no notable differences were identified in the two sets of sampling results. It is noted on the PADEP sample results laboratory package for metal analysis that the time limit for the test was exceeded for some parameters. These parameters include turbidity, pH and nitrates.

Surface water samples show no significant results for metal, cyanide or VOC analysis.

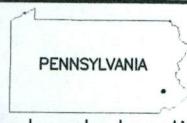
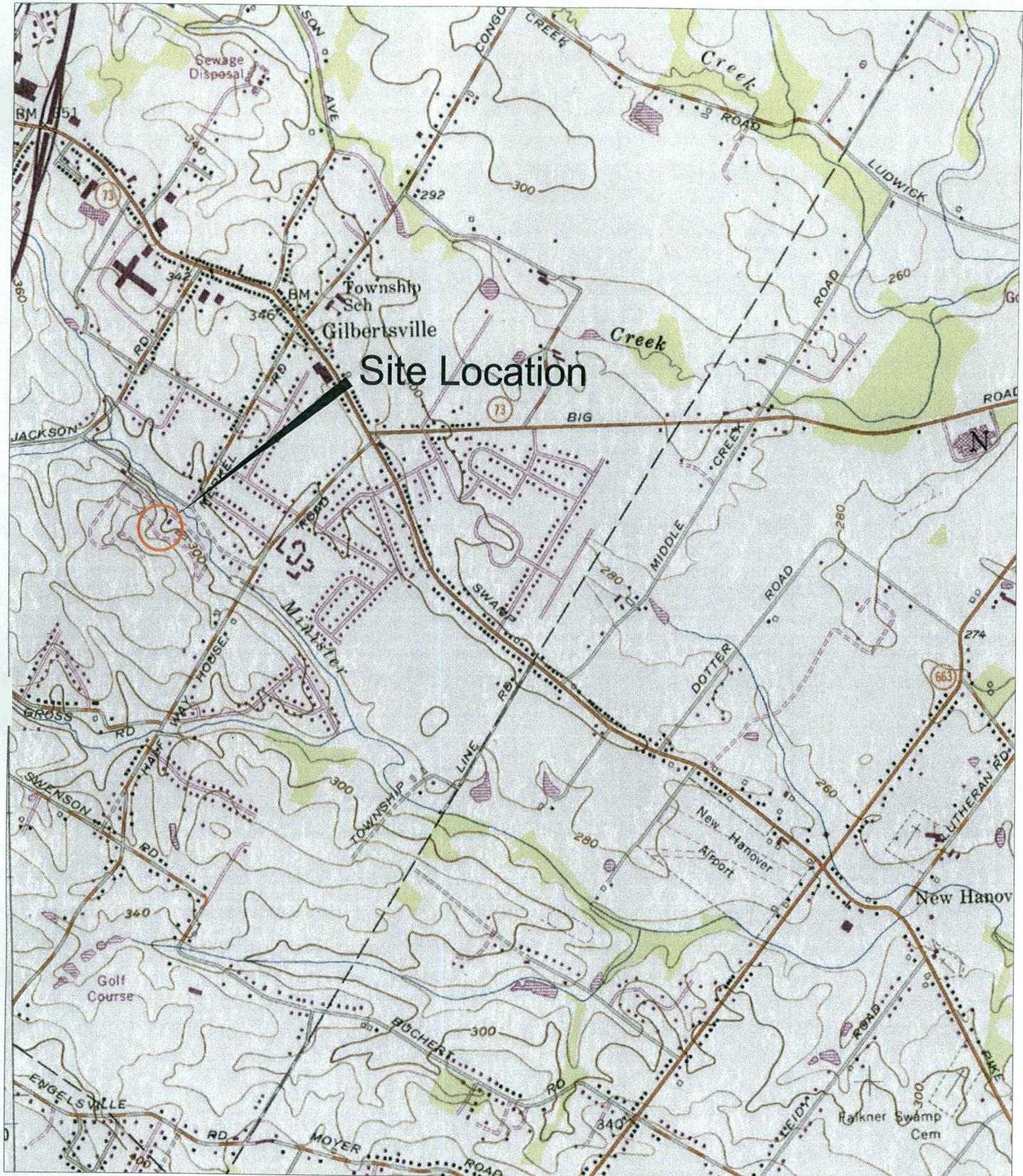
Monitoring well AMW-1 has historically been the sample location of concern. April 2003 sample results showed a trichloroethene concentration of 9 ug/L in the groundwater at this location. The April 2004 sample results collected by TtFW show a trichloroethene concentration of 20 ug/L in the groundwater at this location. PADEP sampling data for AMW-1 supports TtFW's sampling data. PADEP's result for AMW-1 in April 2004 for trichloroethene is also 20 ug/L. Furthermore, AMW-1 had showed concentrations of <1 ug/L for vinyl chloride, 1,1-dichloroethane, and methylene chloride in the April 2003 data and showed a concentration of 1.9, 1.2 and 0.76 ug/L respectively in the April 2004 data. These three values are below PADEP Residential Medium-Specific Concentrations (MSCs) for Used Aquifer, TDS<2,500.

All other monitoring well locations have historically had low to non-detect level of VOCs and metals. April 2004 data supports this history.

PADEP laboratory results from the split-sampling event are presented in Appendix B of this report.

TtFW laboratory results from the split-sampling event are presented in Appendix C of this report.

FIGURES



Quadrangle Location Map

0 2000 4000 Feet



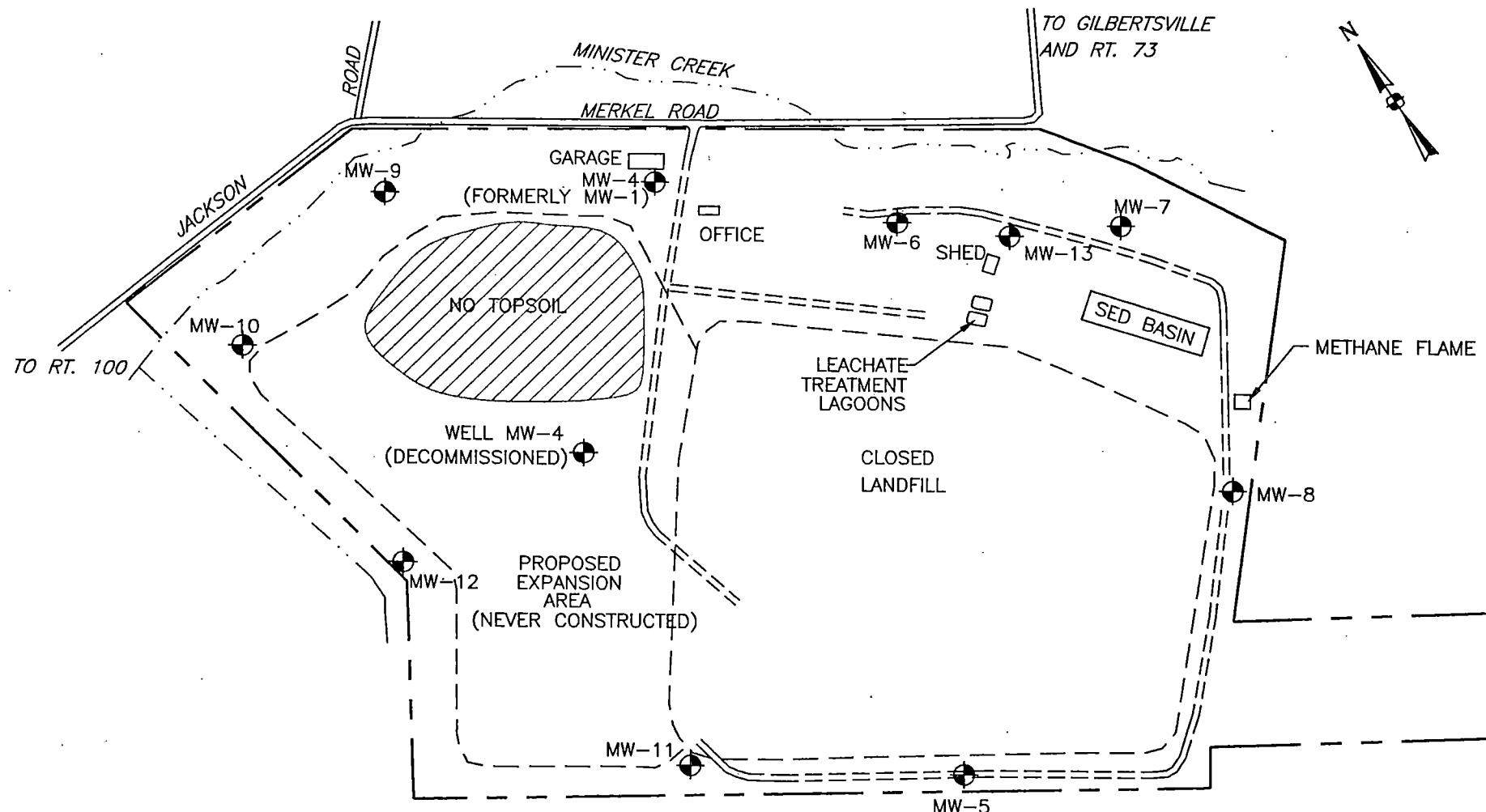
Source: U.S.G.S. Topographic Maps (7.5 Minute)
Sassamansville, PA Quadrangle

Commonwealth of Pennsylvania
Department of Environmental Protection

**Boyertown Sanitary Disposal Landfill
Gilbertsville, PA**

Figure 1-1
Site Location Map

TETRA TECH FW, INC.
Formerly Foster Wheeler Environmental Corporation



NOT TO SCALE

Commonwealth of Pennsylvania
Department of Environmental Protection

Boyertown Sanitary Disposal Landfill
Gilbertsville, PA

Figure 1-2
Monitoring Well Locations



TETRA TECH FW, INC.

TABLES

Table 1
Boyertown Sanitary Disposal Landfill
PADEP Data
Monitoring Well Locations
Metals

SAMPLE IDENTIFICATION COLLECTION DATE	PADEP Residential Medium-Specific Concentrations (MSCs) Used Aquifer, TDS<2,500	MW-5 04/13/2004	MW-6 04/14/2004	MW-7 04/13/2004	MW-8 04/13/2004	MW-9 04/13/2004
Arsenic R (ug/l)	50	<4.0	<4.0	<4.0	4.000	<4.0
Arsenic D (ug/l)	50	<4.0	<4.0	<4.0	4.800	<4.0
Barium R (ug/l)	2000	<10	338.000	509.000	1110	125.000
Barium D (ug/l)	2000	579.000	317.000	479.000	497	114.000
Cadmium R (ug/l)	5	<.2	<.2	<.2	<.2	<.2
Cadmium D (ug/l)	5	<.20	<.20	<.20	<.20	<.20
Calcium R (mg/l)	--	65.900	49.500	86.700	76	47.800
Calcium D (mg/l)	--	65.900	48.400	85.100	85.1	49.300
Chromium R (ug/l)	100	<4.0	<4.0	<4.0	<4.0	<4.0
Chromium D (ug/l)	100	<4	<4	<4	<4	<4
Copper R (ug/l)	1000	<10	<10	<10	<10	<10
Copper D (ug/l)	1000	<10	<10	<10	<10	<10
Iron R (ug/l)	300*	147.000	1150.000	71.000	69	648.000
Iron D (ug/l)	300*	<20	<20	<20	<20	21.000
Lead Tot R (ug/l)	5	<1.0	<1.0	<1.0	<1.0	<1.0
Lead D (ug/l)	5	<1.0	<1.0	<1.0	2.3	<1.0
Magnesium R (mg/l)	--	26.800	15.600	22.100	30.4	7.970
Magnesium D (mg/l)	--	26.800	15.100	21.700	21.700	7.730
Manganese R (ug/l)	50*	<10.00	29.000	244.000	20	<10.00
Manganese D (ug/l)	50*	<10	<10	181.000	NA	<10
Mercury R (ug/l)	2	<1	<1	<1	<1	<1
Mercury D (ug/l)	2	<1	<1	<1	<1	<1
Potassium R (mg/l)	--	1.290	5.620	1.73	1.63	1.510
Potassium D (mg/l)	--	1.290	5.190	1.91	1.91	1.280
Selenium R (ug/l)	50	<7	<7	<7	<7	<7
Selenium D (ug/l)	50	<7	<7	<7	<7	<7
Silver R (ug/l)	100	<10	<10	<10	<10	<10
Silver D (ug/l)	100	<10	<10	<10	<10	<10
Sodium R (mg/l)	--	11.100	8.940	27.800	12.5	4.880
Sodium D (mg/l)	--	11.100	8.740	27.200	27.200	4.860
Zinc R (ug/l)	2000	<10	<10	<10	<10	<10.0
Zinc D (ug/l)	2000	<10	<10	<10	11	<10.0
Alkalinity mg/l	--	258.4	179.8	214.4	224.4	142.8
Sulfate Total mg/l	--	24.4	<20.0	<20.2	<20.0	<20.0
Total Organic Halide ug/l	--	27.37	<5	19.77	17.77	5.26
Specific Conductance umhos/cm	--	583	383.00	766.00	698.00	295.00
Turbidity NTU	--	4.67	42.00	2.73	2.89	26.50
Amonia-N Total mg/l	--	<0.02	<0.02	0.04	<0.02	<0.02
COD mg/l	--	<10.0	<10.0	10.8	<10.0	<10.0
Fluoride Total mg/l	--	<0.20	<0.20	<0.20	<0.20	0.20
pH pH units	--	7.9	7.7	7.4	7.6	7.7
TDS @105C mg/l	--	380	258	460	382	240
Nitrate-N mg/l	--	4.81	1.89	0.69	0.91	0.27
Total Organic Carbon mg/l	--	1.3	1.30	3.8	1.7	4.20
Phenols-Dist ug/l	--	<5.0	<5.0	<5.0	<5.0	<5.0
Chloride mg/l	--	15.9	5.3	117.5	93.5	2.8

NOTES:

-- = No criteria available.

Criteria provided for chromium corresponds to total (if available) or hexavalent chromium.

* Indicates criterion value corresponds to EPA "Secondary Drinking Water Regulations" and PADEP "Secondary Contaminants Medium-Specific Concentrations."

U = Not Detected

J = Estimated

NA = Not Analyzed

Bold = Exceedance

Table 1
Boyertown Sanitary Disposal Landfill
PADEP Data
Monitoring Well Locations
Metals

SAMPLE IDENTIFICATION COLLECTION DATE	PADEP Residential Medium-Specific Concentrations (MSCs) Used Aquifer, TDS<2,500	MW-10 04/13/2004	MW-11 04/13/2004	MW-12 04/13/2004	SMW-1 4/13/2004	AMW-1 4/13/2004
Arsenic R (ug/l)	50	<4.0	<4.0	4.200	<4.0	<4.0
Arsenic D (ug/l)	50	<4.0	<4.0	4.600	<4.0	<4.0
Barium R (ug/l)	2000	129.000	150	170.00	489.000	670.000
Barium D (ug/l)	2000	113.000	131	154.00	487.000	638.000
Cadmium R (ug/l)	5	<.2	<.2	<.2	<.2	<.2
Cadmium D (ug/l)	5	<.20	<.20	<.20	<.20	<.20
Calcium R (mg/l)	--	31.200	29.000	63.500	178.000	85.700
Calcium D (mg/l)	--	29.700	29.400	61.900	176.000	81.000
Chromium R (ug/l)	100	<4.0	<4.0	<4.0	<4.0	4.300
Chromium D (ug/l)	100	<4	<4	<4	<4	<4
Copper R (ug/l)	1000	<10	<10	<10	<10	<10
Copper D (ug/l)	1000	<10	<10	<10	<10	<10
Iron R (ug/l)	300*	834.000	1500.000	150.000	197.000	<20
Iron D (ug/l)	300*	27.000	24.000	<20	<20	<20
Lead Tot R (ug/l)	5	<1.0	<1.0	<1.0	<1.0	1.400
Lead D (ug/l)	5	<1.0	<1.0	<1.0	<1.0	1.400
Magnesium R (mg/l)	--	4.560	3.440	12.600	44.200	34.000
Magnesium D (mg/l)	--	4.280	3.020	12.300	44.000	32.500
Manganese R (ug/l)	50*	16.000	20.000	679.00	1050.000	<10.00
Manganese D (ug/l)	50*	<10	<10	42.000	1020.000	<10
Mercury R (ug/l)	2	<1	<1	<1	<1	<1
Mercury D (ug/l)	2	<1	<1	<1	<1	<1
Potassium R (mg/l)	--	1.030	1.730	<1.00	2.200	1.410
Potassium D (mg/l)	--	<1.00	1.040	<1.00	2.190	<1.00
Selenium R (ug/l)	50	<7	<7	<7	<7	<7
Selenium D (ug/l)	50	<7	<7	<7	<7	<7
Silver R (ug/l)	100	<10	<10	<10	<10	<10
Silver D (ug/l)	100	<10	<10	<10	<10	<10
Sodium R (mg/l)	--	4.440	4.660	6.930	101.000	14.000
Sodium D (mg/l)	--	4.250	4.500	7.190	100.000	13.300
Zinc R (ug/l)	2000	<10.0	<10	<10	<10	414.000
Zinc D (ug/l)	2000	<10.0	<10	<10	<10	404.000
Alkalinity mg/l	--	84.6	71.4	189.2	388.8	293.6
Sulfate Total mg/l	--	<20.0	<20.0	20.5	26.4	23.1
Total Organic Halide ug/l	--	5.02	<5	6.15	80.20	38.65
Specific Conductance umhos/cm	--	195.10	185.70	393.00	1617.00	711.00
Turbidity NTU	--	27.46	39.79	6.62	2.12	<1
Amonia-N Total mg/l	--	<0.02	<0.02	<0.02	0.07	<0.02
COD mg/l	--	<10.0	<10.0	<10.0	22.1	<10.0
Fluoride Total mg/l	--	<0.20	<0.20	<0.20	<0.20	0.20
pH pH units	--	7.1	6.9	7.9	7.4	7.5
TDS @105C mg/l	--	170	152	192	1110	458
Nitrate-N mg/l	--	0.43	1.39	0.19	3.05	2.16
Total Organic Carbon mg/l	--	3.10	3.30	0.90	7.00	1.90
Phenols-Dist ug/l	--	<5.0	<5.0	<5.0	<5.0	<5.0
Chloride mg/l	--	1.4	2.5	2.4	400.4	49.0

NOTES:

-- = No criteria available.

Criteria provided for chromium corresponds to total (if available) or hexavalent

* indicates criterion value corresponds to EPA "Secondary Drinking Water R and PADEP "Secondary Contaminants Medium-Specific Concentrations."

U = Not Detected

J = Estimated

NA = Not Analyzed

Bold = Exceedance

Table 2
Boyertown Sanitary Disposal Landfill
TtFW Data
Monitoring Well Locations
Metals + Cyanide

SAMPLE IDENTIFICATION COLLECTION DATE	PADEP Residential Medium-Specific Concentrations (MSCs) Used Aquifer, TDS<2,500	SMW-1 4/13/2004	MW-5 04/13/04	MW-6 04/14/04	MW-7 04/13/04
Aluminum (ug/l)	200*	180 (U)	180 (U)	703	180 (U)
Antimony (ug/l)	6	6.6 (U)	6.6 (U)	6.6 (U)	6.6 (U)
Arsenic (ug/l)	10	4.8 (U)	4.8 (U)	4.8 (U)	4.8 (U)
Barium (ug/l)	2000	464	580	347	532
Beryllium (ug/l)	4	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)
Cadmium (ug/l)	5	0.99 (U)	0.99 (U)	0.99 (U)	0.99 (U)
Calcium (ug/l)	--	158000	67000	52200	89900
Chromium (ug/l)	100	1.2 (U)	1.4 (J)	2.0 (J)	1.2 (U)
Cobalt (ug/l)	2000	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)
Copper (ug/l)	1000	0.74 (U)	0.74 (U)	5.2 (J)	0.74 (U)
Cyanide (ug/l)	200	<0.010	<0.010	<0.010	0.011
Iron (ug/l)	300*	51.2 (J)	48.7 (J)	819	67.1 (J)
Lead (ug/l)	5	1.8 (U)	1.8 (U)	1.8 (U)	1.8 (U)
Magnesium (ug/l)	--	39900	28400	15900	22400
Manganese (ug/l)	50*	1010	5.0 (J)	43.7	288
Mercury (ug/l)	2	0.03 (U)	0.03 (U)	0.03 (U)	0.03 (U)
Nickel (ug/l)	100	11.4 (J)	5.5 (U)	5.5 (U)	5.5 (U)
Potassium (ug/l)	--	2810 (J)	1340 (J)	4920 (J)	2070 (J)
Selenium (ug/l)	50	5.2 (U)	5.2 (U)	5.2 (U)	5.2 (U)
Silver (ug/l)	100	3.4 (U)	3.4 (U)	3.4 (U)	3.4 (U)
Sodium (ug/l)	--	95100	10200	8580	27900
Thallium (ug/l)	2	5.8 (U)	5.8 (U)	5.8 (U)	5.8 (U)
Vanadium (ug/l)	720	1.9 (U)	1.9 (U)	1.9 (U)	1.9 (U)
Zinc (ug/l)	2000	11.2 (J)	10.0 (J)	18.3 (J)	8.1 (J)

NOTES:

-- = No criteria available.

Criteria provided for chromium corresponds to total (if available) or hexavalent chromium.

* Indicates criterion value corresponds to EPA "Secondary Drinking Water Regulations"

and PADEP "Secondary Contaminants Medium-Specific Concentrations."

J=The reported value was obtained from a reading that was less than the Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit.

U=The analyte was analyzed for, but not detected.

Table 2
Boyertown Sanitary Disposal Landfill
TtFW Data
Monitoring Well Locations
Metals + Cyanide

SAMPLE IDENTIFICATION COLLECTION DATE	PADEP Residential Medium-Specific Concentrations (MSCs) Used Aquifer, TDS<2,500	MW-8 04/13/04	MW-8 DUP 04/13/04	MW-9 04/13/04	MW-10 04/13/04
Aluminum (ug/l)	200*	180 (U)	180 (U)	327	453
Antimony (ug/l)	6	6.6 (U)	6.6 (U)	6.6 (U)	6.6 (U)
Arsenic (ug/l)	10	4.8 (U)	4.8 (U)	4.8 (U)	4.8 (U)
Barium (ug/l)	2000	1170	1140	120 (J)	123 (J)
Beryllium (ug/l)	4	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)
Cadmium (ug/l)	5	0.99 (U)	0.99 (U)	0.99 (U)	0.99 (U)
Calcium (ug/l)	—	79500	77400	47400	30000
Chromium (ug/l)	100	1.2 (U)	1.2 (U)	2.0 (J)	1.2 (U)
Cobalt (ug/l)	2000	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)
Copper (ug/l)	1000	0.74 (U)	0.74 (U)	4.4 (J)	0.74 (U)
Cyanide (ug/l)	200	<0.010	<0.010	<0.010	<0.010
Iron (ug/l)	300*	29.0 (U)	29.0 (U)	447	480
Lead (ug/l)	5	1.8 (U)	1.8 (U)	1.8 (U)	2.7 (J)
Magnesium (ug/l)	—	32500	31300	8220	4410 (J)
Manganese (ug/l)	50*	13.0 (J)	15.6	19.0	21.5
Mercury (ug/l)	2	0.03 (U)	0.03 (U)	0.03 (U)	0.03 (U)
Nickel (ug/l)	100	5.5 (U)	5.5 (U)	5.5 (U)	5.5 (U)
Potassium (ug/l)	--	2000 (J)	1980 (J)	1030 (J)	570 (J)
Selenium (ug/l)	50	5.2 (U)	5.2 (U)	5.2 (U)	5.2 (U)
Silver (ug/l)	100	3.4 (U)	3.4 (U)	3.4 (U)	3.4 (U)
Sodium (ug/l)	—	12700	11900	4560 (J)	3760 (J)
Thallium (ug/l)	2	5.8 (U)	5.8 (U)	5.8 (U)	5.8 (U)
Vanadium (ug/l)	720	1.9 (U)	1.9 (U)	1.9 (U)	1.9 (U)
Zinc (ug/l)	2000	10.7 (J)	14.6 (J)	14.7 (J)	16.0 (J)

NOTES:

— = No criteria available.

Criteria provided for chromium corresponds to total (if available) or he

* indicates criterion value corresponds to EPA "Secondary Drinking W
and PADEP "Secondary Contaminants Medium-Specific Concentrati

J=The reported value was obtained from a reading that was less than 1
greater than or equal to the Instrument Detection Limit.

U=The analyte was analyzed for, but not detected.

Table 2
 Boyertown Sanitary Disposal Landfill
 TtFW Data
 Monitoring Well Locations
 Metals + Cyanide

SAMPLE IDENTIFICATION COLLECTION DATE	PADEP Residential Medium-Specific Concentrations (MSCs) Used Aquifer, TDS<2,500	MW-11 04/13/04	MW-12 04/13/04	AMW-1 04/13/04	AMW-1 DUP 04/13/04
Aluminum (ug/l)	200*	550	180 (U)	180 (U)	180 (U)
Antimony (ug/l)	6	6.6 (U)	6.6 (U)	6.6 (U)	6.6 (U)
Arsenic (ug/l)	10	4.8 (U)	4.8 (U)	4.8 (U)	4.8 (U)
Barium (ug/l)	2000	176 (J)	162 (J)	646	676
Beryllium (ug/l)	4	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)
Cadmium (ug/l)	5	0.99 (U)	0.99 (U)	0.99 (U)	0.99 (U)
Calcium (ug/l)	--	32500	58100	81900	85400
Chromium (ug/l)	100	2.5 (J)	1.5 (J)	1.2 (U)	1.2 (U)
Cobalt (ug/l)	2000	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)
Copper (ug/l)	1000	5.3 (J)	0.74 (J)	0.74 (J)	0.74 (J)
Cyanide (ug/l)	200	0.011	<0.010	<0.010	<0.010
Iron (ug/l)	300*	805	140	29.0 (U)	29.0 (U)
Lead (ug/l)	5	1.8 (U)	1.8 (U)	1.8 (U)	2.0 (J)
Magnesium (ug/l)	--	5440	10900	33600	35000
Manganese (ug/l)	50*	20.6	713	0.20 (U)	0.20 (U)
Mercury (ug/l)	2	0.03 (U)	0.03 (U)	0.03 (U)	0.03 (U)
Nickel (ug/l)	100	5.5 (U)	5.5 (U)	5.5 (U)	5.5 (U)
Potassium (ug/l)	--	1040 (J)	615 (J)	1250 (J)	1220 (J)
Selenium (ug/l)	50	5.2 (U)	5.2 (U)	5.2 (U)	5.2 (U)
Silver (ug/l)	100	3.4 (U)	3.4 (U)	3.4 (U)	3.4 (U)
Sodium (ug/l)	--	4930 (J)	5760	12700	13000
Thallium (ug/l)	2	5.8 (U)	5.8 (U)	5.8 (U)	5.8 (U)
Vanadium (ug/l)	720	1.9 (U)	1.9 (U)	1.9 (U)	1.9 (U)
Zinc (ug/l)	2000	17.6 (J)	8.1 (U)	377	391

NOTES:

-- = No criteria available.

Criteria provided for chromium corresponds to total (if available) or he

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and PADEP "Secondary Contaminants Medium-Specific Concentrati

J=The reported value was obtained from a reading that was less than 1
greater than or equal to the Instrument Detection Limit.

U=The analyte was analyzed for, but not detected.

Table 2
Boyertown Sanitary Disposal Landfill
TtFW Data
Monitoring Well Locations
Metals + Cyanide

SAMPLE IDENTIFICATION COLLECTION DATE	PADEP Residential Medium-Specific Concentrations (MSCs) Used Aquifer, TDS<2,500	FIELD BLANK 04/13/04	FIELD BLANK2 04/14/04	RINSE BLANK 04/13/04
Aluminum (ug/l)	200*	180 (U)	180 (U)	180 (U)
Antimony (ug/l)	6	6.6 (U)	6.6 (U)	6.6 (U)
Arsenic (ug/l)	10	4.8 (U)	4.8 (U)	4.8 (U)
Barium (ug/l)	2000	11.0 (U)	11.0 (U)	11.0 (U)
Beryllium (ug/l)	4	1.1 (U)	1.1 (U)	1.1 (U)
Cadmium (ug/l)	5	0.99 (U)	0.99 (U)	0.99 (U)
Calcium (ug/l)	--	1740 (U)	1740 (U)	1740 (U)
Chromium (ug/l)	100	1.2 (U)	1.2 (U)	1.2 (U)
Cobalt (ug/l)	2000	2.4 (U)	2.4 (U)	2.4 (U)
Copper (ug/l)	1000	0.74 (J)	0.74 (J)	0.74 (J)
Cyanide (ug/l)	200	<0.010	<0.010	<0.010
Iron (ug/l)	300*	29.0 (U)	29.0 (U)	29.0 (U)
Lead (ug/l)	5	1.8 (U)	1.8 (U)	1.8 (U)
Magnesium (ug/l)	--	254 (U)	254 (U)	254 (U)
Manganese (ug/l)	50*	0.20 (U)	0.20 (U)	0.20 (U)
Mercury (ug/l)	2	0.03 (U)	0.03 (U)	0.03 (U)
Nickel (ug/l)	100	5.5 (U)	5.5 (U)	5.5 (U)
Potassium (ug/l)	--	51.0 (U)	51.0 (U)	51.0 (U)
Selenium (ug/l)	50	5.2 (U)	5.2 (U)	5.2 (U)
Silver (ug/l)	100	3.4 (U)	3.4 (U)	3.4 (U)
Sodium (ug/l)	--	189 (U)	189 (U)	189 (U)
Thallium (ug/l)	2	5.8 (U)	5.8 (U)	5.8 (U)
Vanadium (ug/l)	720	1.9 (U)	1.9 (U)	1.9 (U)
Zinc (ug/l)	2000	8.1 (U)	8.1 (U)	8.1 (U)

NOTES:

-- = No criteria available.

Criteria provided for chromium corresponds to total (if available) or he

* indicates criterion value corresponds to EPA "Secondary Drinking W and PADEP "Secondary Contaminants Medium-Specific Concentrati

J=The reported value was obtained from a reading that was less than greater than or equal to the Instrument Detection Limit.

U=The analyte was analyzed for, but not detected.

Table 3
Boyertown Sanitary Disposal Landfill
TIFW Data
Monitoring Well Locations
Volatile Organic Compounds

SAMPLE IDENTIFICATION COLLECTION DATE	PADEP Residential Medium-Specific Concentrations (MSCs) Used Aquifer, TDS<2,500	SMW-1 4/13/2004	MW-5 4/13/2004	MW-6 4/14/2004	MW-7 4/13/2004	MW-8 4/13/2004
Chloromethane (ug/l)	3	0.16 (U)	0.16 (U)	0.16 (U)	0.16 (U)	0.16 (U)
Vinyl Chloride (ug/l)	2	0.11 (U)	0.11 (U)	0.11 (U)	0.11 (U)	0.11 (U)
Bromoethane (ug/l)	10	0.12 (U)	0.12 (U)	0.12 (U)	0.12 (U)	0.12 (U)
Chloroethane (ug/l)	230	0.18 (U)	0.18 (U)	0.18 (U)	0.18 (U)	0.18 (U)
1,1-Dichloroethene (ug/l)	7	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)
1,1-Dichloroethane (ug/l)	27	0.21 (U)	0.21 (U)	0.21 (U)	0.21 (U)	0.21 (U)
cis-1,2-Dichloroethene (ug/l)	70	0.27 (U)	0.27 (U)	0.27 (U)	0.27 (U)	0.27 (U)
Chloroform (ug/l)	100	0.23 (U)	0.23 (U)	0.23 (U)	0.23 (U)	0.23 (U)
1,1,1-Trichloroethane (ug/l)	200	0.22 (U)	0.22 (U)	0.22 (U)	0.22 (U)	0.22 (U)
Carbon Tetrachloride (ug/l)	5	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)
Benzene (ug/l)	5	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)
1,2-Dichloroethane (ug/l)	5	0.21 (U)	0.21 (U)	0.21 (U)	0.21 (U)	0.21 (U)
Trichloroethene (ug/l)	5	0.19 (U)	0.19 (U)	0.19 (U)	0.19 (U)	0.19 (U)
1,2-Dichloropropane (ug/l)	5	0.18 (U)	0.18 (U)	0.18 (U)	0.18 (U)	0.18 (U)
cis-1,3-Dichloropropene (ug/l)	6.6	0.19 (U)	0.19 (U)	0.19 (U)	0.19 (U)	0.19 (U)
Toluene (ug/l)	1000	0.19 (U)	0.19 (U)	0.19 (U)	0.19 (U)	0.51 (J)
trans-1,3-Dichloropropene (ug/l)	6.6	0.15 (U)	0.15 (U)	0.15 (U)	0.15 (U)	0.15 (U)
1,1,2-Trichloroethane (ug/l)	5	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)
Tetrachloroethene (ug/l)	5	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)
Chlorobenzene (ug/l)	100	0.16 (U)	0.16 (U)	0.16 (U)	0.16 (U)	0.16 (U)
Ethyl Benzene (ug/l)	700	0.18 (U)	0.18 (U)	0.18 (U)	0.18 (U)	0.18 (U)
m,p-Xylene (ug/l)	10000	0.36 (U)	0.36 (U)	0.36 (U)	0.36 (U)	0.36 (U)
o-Xylene (ug/l)	10000	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)
Styrene (ug/l)	100	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)
1,1,2,2-Tetrachloroethane (ug/l)	0.3	0.13 (U)	0.13 (U)	0.13 (U)	0.13 (U)	0.13 (U)
Methylene Chloride (ug/l)	5	0.36 (U)	0.36 (U)	0.67 (J)	0.97 (J)	0.36 (U)
Acetone (ug/l)	3700	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)
Carbon Disulfide (ug/l)	1900	0.21 (U)	0.21 (U)	0.21 (U)	0.21 (U)	0.21 (U)
trans-1,2-Dichloroethene (ug/l)	100	0.25 (U)	0.25 (U)	0.25 (U)	0.25 (U)	0.25 (U)
2-Butanone (Methyl Ethyl Ketone) (ug/l)	2800	0.92 (U)	0.92 (U)	0.92 (U)	0.92 (U)	0.92 (U)
Bromodichloromethane (ug/l)	100	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)
4-Methyl-2-pentanone (ug/l)	--	0.77 (U)	0.77 (U)	0.77 (U)	0.77 (U)	0.77 (U)
2-Hexanone (ug/l)	--	0.58 (U)	0.58 (U)	0.58 (U)	0.58 (U)	0.58 (U)
Dibromochloromethane (ug/l)	--	0.21 (U)	0.21 (U)	0.21 (U)	0.21 (U)	0.21 (U)
Bromoform (ug/l)	100	0.37 (U)	0.37 (U)	0.37 (U)	0.37 (U)	0.37 (U)

NOTES:

-- = No criteria available.

J=The reported value was obtained from a reading that was less than the Contract Required Detection Limit, but greater than or equal to the instrument Detection Limit.

U=The analyte was analyzed for, but not detected.

Table 3
 Boyertown Sanitary Disposal Landfill
 TIFW Data
 Monitoring Well Locations
 Volatile Organic Compounds

SAMPLE IDENTIFICATION COLLECTION DATE	PADEP Residential Medium-Specific Concentrations (MSCs) Used Aquifer, TDS<2,500	MW-8DUP 4/13/2004	MW-9 4/14/2004	MW-10 4/14/2004	MW-11 4/13/2004
Chloromethane (ug/l)	3	0.16 (U)	0.16 (U)	0.16 (U)	0.16 (U)
Vinyl Chloride (ug/l)	2	0.11 (U)	0.11 (U)	0.11 (U)	0.11 (U)
Bromoethane (ug/l)	10	0.12 (U)	0.12 (U)	0.12 (U)	0.12 (U)
Chloroethane (ug/l)	230	0.18 (U)	0.18 (U)	0.18 (U)	0.18 (U)
1,1-Dichloroethene (ug/l)	7	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)
1,1-Dichloroethane (ug/l)	27	0.21 (U)	0.21 (U)	0.21 (U)	0.21 (U)
cis-1,2-Dichloroethene (ug/l)	70	0.27 (U)	0.27 (U)	0.27 (U)	0.27 (U)
Chloroform (ug/l)	100	0.23 (U)	0.23 (U)	0.23 (U)	0.23 (U)
1,1,1-Trichloroethane (ug/l)	200	0.22 (U)	0.22 (U)	0.22 (U)	0.22 (U)
Carbon Tetrachloride (ug/l)	5	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)
Benzene (ug/l)	5	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)
1,2-Dichloroethane (ug/l)	5	0.21 (U)	0.21 (U)	0.21 (U)	0.21 (U)
Trichloroethene (ug/l)	5	0.19 (U)	0.19 (U)	0.19 (U)	0.19 (U)
1,2-Dichloropropane (ug/l)	5	0.18 (U)	0.18 (U)	0.18 (U)	0.18 (U)
cis-1,3-Dichloropropene (ug/l)	6.6	0.19 (U)	0.19 (U)	0.19 (U)	0.19 (U)
Toluene (ug/l)	1000	0.19 (U)	0.19 (U)	0.19 (U)	0.19 (U)
trans-1,3-Dichloropropene (ug/l)	6.6	0.15 (U)	0.15 (U)	0.15 (U)	0.15 (U)
1,1,2-Trichloroethane (ug/l)	5	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)
Tetrachloroethene (ug/l)	5	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)
Chlorobenzene (ug/l)	100	0.16 (U)	0.16 (U)	0.16 (U)	0.16 (U)
Ethyl Benzene (ug/l)	700	0.18 (U)	0.18 (U)	0.18 (U)	0.18 (U)
m,p-Xylene (ug/l)	10000	0.36 (U)	0.36 (U)	0.36 (U)	0.36 (U)
o-Xylene (ug/l)	10000	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)
Styrene (ug/l)	100	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)
1,1,2,2-Tetrachloroethane (ug/l)	0.3	0.13 (U)	0.13 (U)	0.13 (U)	0.13 (U)
Methylene Chloride (ug/l)	5	0.36 (U)	0.36 (U)	0.36 (U)	0.36 (U)
Acetone (ug/l)	3700	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)
Carbon Disulfide (ug/l)	1900	0.21 (U)	0.21 (U)	0.21 (U)	0.21 (U)
trans-1,2-Dichloroethene (ug/l)	100	0.25 (U)	0.25 (U)	0.25 (U)	0.25 (U)
2-Butanone (Methyl Ethyl Ketone) (ug/l)	2800	0.92 (U)	0.92 (U)	0.92 (U)	0.92 (U)
Bromodichloromethane (ug/l)	100	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)
4-Methyl-2-pentanone (ug/l)	--	0.77 (U)	0.77 (U)	0.77 (U)	0.77 (U)
2-Hexanone (ug/l)	--	0.58 (U)	0.58 (U)	0.58 (U)	0.58 (U)
Dibromochloromethane (ug/l)	--	0.21 (U)	0.21 (U)	0.21 (U)	0.21 (U)
Bromoform (ug/l)	100	0.37 (U)	0.37 (U)	0.37 (U)	0.37 (U)

NOTES:

-- = No criteria available.

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U=The analyte was analyzed for, but not detected.

Table 3
Boyertown Sanitary Disposal Landfill
TiFW Data
Monitoring Well Locations
Volatile Organic Compounds

SAMPLE IDENTIFICATION COLLECTION DATE	PADEP Residential Medium-Specific Concentrations (MSCs) Used Aquifer, TDS<2,500	MW-12 4/13/2004	AMW-1 4/14/2004	AMW-1 DUP 4/14/2004	TRIP BLANK 4/13/2004
Chloromethane (ug/l)	3	0.16 (U)	0.16 (U)	0.16 (U)	0.16 (U)
Vinyl Chloride (ug/l)	2	0.11 (U)	1.9	1.8	0.11 (U)
Bromoethane (ug/l)	10	0.12 (U)	0.12 (U)	0.12 (U)	0.12 (U)
Chloroethane (ug/l)	230	0.18 (U)	1.0	0.95	0.18 (U)
1,1-Dichloroethene (ug/l)	7	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)
1,1-Dichloroethane (ug/l)	27	0.21 (U)	1.2	1.1	0.21 (U)
cis-1,2-Dichloroethene (ug/l)	70	0.27 (U)	32.00	31.00	0.27 (U)
Chloroform (ug/l)	100	0.23 (U)	0.23 (U)	0.23 (U)	0.23 (U)
1,1,1-Trichloroethane (ug/l)	200	0.22 (U)	0.22 (U)	0.22 (U)	0.22 (U)
Carbon Tetrachloride (ug/l)	5	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)
Benzene (ug/l)	5	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)
1,2-Dichloroethane (ug/l)	5	0.21 (U)	0.21 (U)	0.21 (U)	0.21 (U)
Trichloroethene (ug/l)	5	0.19 (U)	20	20	0.19 (U)
1,2-Dichloropropane (ug/l)	5	0.18 (U)	0.18 (U)	0.18 (U)	0.18 (U)
cis-1,3-Dichloropropene (ug/l)	6.6	0.19 (U)	0.19 (U)	0.19 (U)	0.19 (U)
Toluene (ug/l)	1000	0.19 (U)	0.19 (U)	0.19 (U)	0.19 (U)
trans-1,3-Dichloropropene (ug/l)	6.6	0.15 (U)	0.15 (U)	0.15 (U)	0.15 (U)
1,1,2-Trichloroethane (ug/l)	5	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)
Tetrachloroethene (ug/l)	5	0.20 (U)	0.20 (U)	0.20 (U)	0.20 (U)
Chlorobenzene (ug/l)	100	0.16 (U)	0.16 (U)	0.16 (U)	0.16 (U)
Ethyl Benzene (ug/l)	700	0.18 (U)	0.18 (U)	0.18 (U)	0.18 (U)
m,p-Xylene (ug/l)	10000	0.36 (U)	0.36 (U)	0.36 (U)	0.36 (U)
o-Xylene (ug/l)	10000	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)
Styrene (ug/l)	100	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)
1,1,2,2-Tetrachloroethane (ug/l)	0.3	0.13 (U)	0.13 (U)	0.13 (U)	0.13 (U)
Methylene Chloride (ug/l)	5	0.36 (U)	0.76	0.72	1.6
Acetone (ug/l)	3700	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)
Carbon Disulfide (ug/l)	1900	0.21 (U)	0.21 (U)	0.21 (U)	0.21 (U)
trans-1,2-Dichloroethene (ug/l)	100	0.25 (U)	0.25 (U)	0.25 (U)	0.25 (U)
2-Butanone (Methyl Ethyl Ketone) (ug/l)	2800	0.92 (U)	0.92 (U)	0.92 (U)	0.92 (U)
Bromodichloromethane (ug/l)	100	0.17 (U)	0.17 (U)	0.17 (U)	0.17 (U)
4-Methyl-2-pentanone (ug/l)	—	0.77 (U)	0.77 (U)	0.77 (U)	0.77 (U)
2-Hexanone (ug/l)	—	0.58 (U)	0.58 (U)	0.58 (U)	0.58 (U)
Dibromochloromethane (ug/l)	—	0.21 (U)	0.21 (U)	0.21 (U)	0.21 (U)
Bromoform (ug/l)	100	0.37 (U)	0.37 (U)	0.37 (U)	0.37 (U)

NOTES:

-- = No criteria available.

J=The reported value was obtained from a reading that was less than the greater than or equal to the Instrument Detection Limit.

U=The analyte was analyzed for, but not detected.

Table 4
Boyertown Sanitary Disposal Landfill
PADEP Data
Monitoring Well Locations
Volatile Organic Compounds

SAMPLE IDENTIFICATION COLLECTION DATE	PADEP Residential Medium-Specific Concentrations (MSCs) Used Aquifer, TDS<2,500	SWM-1 04/13/04	MW-5 04/13/04	MW-6 04/14/04	MW-7 04/13/04	MW-8 04/13/04
Chloromethane (ppbv)	3	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Bromoethane (ppbv)	10	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Chloroethene (ppbv)	230	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,1-Dichloroethene (ppbv)	7	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,1-Dichloroethane (ppbv)	27	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
cis-1,2-Dichloroethene (ppbv)	70	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Chloroform (ppbv)	100	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,1,1-Trichloroethane (ppbv)	200	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Carbon Tetrachloride (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Benzene (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2-Dichloroethane (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Trichloroethene (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
2,2-Dichloropropane (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,1-Dichloropropene (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Toluene (ppbv)	1000	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)
trans-1,3-Dichloropropane (ppbv)	6.6	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,1,2-Trichloroethane (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2-Dibromoethane (EDB) (ppbv)	0.05	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Chlorobenzene (ppbv)	100	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Ethylbenzene (ppbv)	700	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
m,p-Xylene (ppbv)	10000	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)
o-Xylene (ppbv)	10000	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Styrene (ppbv)	100	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,1,2,2-Tetrachloroethane (ppbv)	0.3	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,3,5-Trimethylbenzene (ppbv)	16	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2,4-Trimethylbenzene (ppbv)	16	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2-Dichlorobenzene (ppbv)	600	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,4-Dichlorobenzene (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
p-Chlorotoluene (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,3-Dichlorobenzene (ppbv)	600	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Methylene Chloride (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2,4-Trichlorobenzene (ppbv)	70	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)
Hexachlorobutadiene (ppbv)	1	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)
Acetone (ppbv)	3700	2.5 (U)	2.5 (U)	2.5 (U)	2.5 (U)	2.5 (U)
Carbon Disulfide (ppbv)	1900	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
trans-1,2-Dichloroethene (ppbv)	100	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Vinyl Acetate (ppbv)	550	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
2-Butanone (Methyl Ethyl Ketone) (ppbv)	2800	2.5 (U)	2.5 (U)	2.5 (U)	2.5 (U)	2.5 (U)
Tetrahydrofuran (ppbv)	-	5.6	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Bromodichloromethane (ppbv)	100	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
2-Hexanone (ppbv)	-	5.0 (U)	5.0 (U)	5.0 (U)	5.0 (U)	5.0 (U)
Dibromochloromethane (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Bromoform (ppbv)	100	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2-Dibromo-3-chloropropane (ppbv)	0.2	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)
Tetrachloroethene (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
n-Butylbenzene (ppbv)	1500	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
o-Chlorotoluene (ppbv)	100	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
MIBK (ppbv)	190	2.5 (U)	2.5 (U)	2.5 (U)	2.5 (U)	2.5 (U)
Tert-Butylbenzene (ppbv)	1500	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2,3-Trichloropropane (ppbv)	40	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2,3-Trichlorobenzene (ppbv)	-	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)
Dibromomethane (ppbv)	97	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
cis-1,3-Dichloropropene (ppbv)	6.6	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Sec-Butylbenzene (ppbv)	1500	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2-Dichloropropane (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
trans-1,3-Dichloropropene (ppbv)	6.6	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Dichlorodifluoromethane (ppbv)	1000	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
PCTFB (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Chloroethane (ppbv)	230	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,1,2,2-Tetrachloroethane (ppbv)	0.3	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
4-Isopropyltoluene (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Trichlorofluoromethane (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Bromobenzene (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
n-Propylbenzene (ppbv)	1500	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Methyl tert-butyl ether (ppbv)	20	1.3	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Isopropylbenzene (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Naphthalene (ppbv)	100	2.0 (U)	2.0 (U)	2.0 (U)	2.0 (U)	2.0 (U)

NOTES:

- = No criteria available.

J=The reported value was obtained from a reading that was less than the Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit.

U=The analyte was analyzed for, but not detected.

Table 4
Boyertown Sanitary Disposal Landfill
PADEP Data
Monitoring Well Locations
Volatile Organic Compounds

SAMPLE IDENTIFICATION COLLECTION DATE	PADEP Residential Medium-Specific Concentrations (MSCs) Used Aquifer, TDS<2,500	MW-9 04/13/04	MW-10 04/13/04	MW-11 04/13/04	MW-12 04/13/04	AMW-1 04/13/04
methane (ppbv)	3	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
ethane (ppbv)	10	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Chloroethene (ppbv)	230	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	1.2
1,1-Dichloroethene (ppbv)	7	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,1-Dichloroethane (ppbv)	27	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.58
cis-1,2-Dichloroethene (ppbv)	70	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	28.2
Chloroform (ppbv)	100	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,1,1-Trichloroethane (ppbv)	200	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Carbon Tetrachloride (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Benzene (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2-Dichloroethane (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Trichloroethene (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	20.0
2,2-Dichloropropane (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,1-Dichloropropene (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Toluene (ppbv)	1000	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)
trans-1,3-Dichloropropane (ppbv)	6.6	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,1,2-Trichloroethane (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2-Dibromoethane (EDB) (ppbv)	0.05	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Chlorobenzene (ppbv)	100	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Ethylbenzene (ppbv)	700	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
m,p-Xylene (ppbv)	10000	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)
o-Xylene (ppbv)	10000	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Styrene (ppbv)	100	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,1,2,2-Tetrachloroethane (ppbv)	0.3	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,3,5-Trimethylbenzene (ppbv)	16	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2,4-Trimethylbenzene (ppbv)	16	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2-Dichlorobenzene (ppbv)	600	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,4-Dichlorobenzene (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
p-Chlorotoluene (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,3-Dichlorobenzene (ppbv)	600	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Methylene Chloride (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2,4-Trichlorobenzene (ppbv)	70	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)
Hexachlorobutadiene (ppbv)	1	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)
one (ppbv)	3700	2.5 (U)	2.5 (U)	2.5 (U)	2.5 (U)	2.5 (U)
on Disulfide (ppbv)	1900	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,1,2-Dichloroethene (ppbv)	100	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Vinyl Acetate (ppbv)	550	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
2-Butanone (Methyl Ethyl Ketone) (ppbv)	2800	2.5 (U)	2.5 (U)	2.5 (U)	2.5 (U)	2.5 (U)
Tetrahydrofuran (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	2.0
Bromodichloromethane (ppbv)	100	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
2-Hexanone (ppbv)	-	5.0 (U)	5.0 (U)	5.0 (U)	5.0 (U)	5.0 (U)
Dibromochloromethane (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Bromoform (ppbv)	100	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2-Dibromo-3-chloropropane (ppbv)	0.2	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)
Tetrachloroethene (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
n-Butylbenzene (ppbv)	1500	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
o-Chlorotoluene (ppbv)	100	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
MIBK (ppbv)	190	2.5 (U)	2.5 (U)	2.5 (U)	2.5 (U)	2.5 (U)
Tert-Butylbenzene (ppbv)	1500	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2,3-Trichloropropane (ppbv)	40	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2,3-Trichlorobenzene (ppbv)	-	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)	1.0 (U)
Dibromomethane (ppbv)	97	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
cis-1,3-Dichloropropene (ppbv)	6.6	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Sec-Butylbenzene (ppbv)	1500	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
1,2-Dichloropropane (ppbv)	5	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
trans-1,3-Dichloropropene (ppbv)	6.6	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Dichlorodifluoromethane (ppbv)	1000	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
PCTFB (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Chloroethane (ppbv)	230	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.59
1,1,2,2-Tetrachloroethane (ppbv)	0.3	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
4-Isopropyltoluene (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Trichlorofluoromethane (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Bromobenzene (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
n-Propylbenzene (ppbv)	1500	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Methyl tert-butyl ether (ppbv)	20	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Isopropylbenzene (ppbv)	-	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)	0.50 (U)
Naphthalene (ppbv)	100	2.0 (U)	2.0 (U)	2.0 (U)	2.0 (U)	2.0 (U)

ES:

-- No criteria available.

J=The reported value was obtained from a reading that was less than the Contro than or equal to the Instrument Detection Limit.

U=The analyte was analyzed for, but not detected.

APPENDICES

APPENDIX A

Purging Records

Boyertown Sanitary Disposal Landfill
Purge Logs

Sample Collection Date	4/13/04
Monitoring Well ID	SMW-1
Depth to water	6.82'
Depth to bottom	66'
Water Column	59.18'
Well Diameter	4"

Time	pH pH Units	Conductivity	Turbidity NTU	Dissolved Oxygen	Temperature Degrees C	DEP	ORP	Salinity
0720	6.83	1.73	33.8	2.04	13.77	2	135	0.1
0728	6.88	1.73	36.2	1.24	13.75	2	101	0.1
0735	6.89	1.73	39.0	0.95	13.79	2	87	0.1
0742	6.88	1.73	39.0	0.84	13.9	2	80	0.1
0747	6.89	1.73	42.6	0.78	13.92	2	77	0.1
0758	6.90	1.73	46.8	0.75	13.95	2	71	0.1
0806	6.90	1.72	53.5	0.66	13.97	2	68	0.1

Sample Collection Date	4/13/04
Monitoring Well ID	MW-7
Depth to water	6.75'
Depth to bottom	45'
Water Column	38.25'
Well Diameter	4"

Time	pH pH Units	Conductivity	Turbidity NTU	Dissolved Oxygen	Temperature Degrees C	DEP	ORP	Salinity
0843	7.26	0.722	23.0	3.48	12.27	2	61	0.0
0850	7.27	0.722	13.4	1.53	12.28	2	62	0.0
0900	7.27	0.718	20.1	1.04	12.51	2	51	0.0
0908	7.26	0.717	29.0	0.87	12.63	2	37	0.0
0914	7.26	0.717	40.3	0.75	12.74	2	25	0.0
0917	7.26	0.716	46.5	0.71	12.73	2	21	0.0

Sample Collection Date	4/13/04
Monitoring Well ID	MW-8
Depth to water	20.75'
Depth to bottom	100'
Water Column	79.25
Well Diameter	4"

Time	pH pH Units	Conductivity	Turbidity NTU	Dissolved Oxygen	Temperature Degrees C	DEP	ORP	Salinity
0945	7.31	0.646	84.5	0.67	13.6	2	59	0
0948	7.37	648	82.9	0.61	13.77	2	50	0
0952	7.44	0.65	82.8	0.56	13.84	2	39	0
0958	7.47	0.652	82.6	0.52	14.03	2	26	0
1004	7.47	0.652	82.8	0.52	14	2	26	0
1008	7.47	0.653	83.7	0.53	13.9	2	23	0

**Boyertown Sanitary Disposal Landfill
Purge Logs**

<u>Sample Collection Date</u>	4/13/04
<u>Monitoring Well ID</u>	MW-5
<u>Depth to water</u>	23.90'
<u>Depth to bottom</u>	88.0.'
<u>Water Column</u>	64.1
<u>Well Diameter</u>	4"

Time	pH pH Units	Conductivity	Turbidity NTU	Dissolved Oxygen	Temperature Degrees C	DEP	ORP	Salinity
1106	7.40	0.567	-8.9	3.75	13.85	2	91	0
1110	7.42	0.565	-7.9	3.79	13.87	2	89	0
1114	7.47	0.544	7.3	4.45	14.1	2	81	0
1118	7.48	0.54	43.0	4.64	14.25	2	80	0
1122	7.47	0.541	48.7	4.44	14.42	2	77	0
1132	7.45	0.539	48.3	4.86	14.39	2	79	0

<u>Sample Collection Date</u>	4/13/04
<u>Monitoring Well ID</u>	MW-11
<u>Depth to water</u>	11.5'
<u>Depth to bottom</u>	65'
<u>Water Column</u>	53.5'
<u>Well Diameter</u>	4"

Time	pH pH Units	Conductivity	Turbidity NTU	Dissolved Oxygen	Temperature Degrees C	DEP	ORP	Salinity
1255	6.13	0.171	37.0	10.17	11.93	2	192	0
1300	6.05	0.17	37.5	9.05	12.09	2	188	0
1305	6.12	0.17	35.2	8.84	12.15	2	181	0
1310	6.28	0.17	34.5	8.71	12.29	2	173	0
1315	6.46	0.171	37.5	8.42	12.56	2	157	0
1320	6.46	0.172	36.8	8.41	12.58	2	157	0
1325	6.46	0.172	37.0	8.41	12.58	2	156	0

<u>Sample Collection Date</u>	4/13/04
<u>Monitoring Well ID</u>	MW-12
<u>Depth to water</u>	8.1'
<u>Depth to bottom</u>	77'
<u>Water Column</u>	68.9'
<u>Well Diameter</u>	

Time	pH pH Units	Conductivity	Turbidity NTU	Dissolved Oxygen	Temperature Degrees C	DEP	ORP	Salinity
1400	7.47	0.318	333	1.88	11.46	2	132	0
1405	7.50	0.318	350	1.39	11.3	2	120	0
1410	7.52	0.318	360	1.14	11.32	1	120	0
1415	7.52	0.364	314	1.05	11.25	2	94	0
1420	7.53	0.364	322	1.02	11.27	2	91	0
1425	7.53	0.365	333	0.96	11.38	2	83	0

**Boyertown Sanitary Disposal Landfill
Purge Logs**

<u>Sample Collection Date</u>	4/14/04
<u>Monitoring Well ID</u>	MW-10
<u>Depth to water</u>	22.63'
<u>Depth to bottom</u>	77'
<u>Water Column</u>	54.37'
<u>Well Diameter</u>	4"

Time	pH pH Units	Conductivity	Turbidity NTU	Dissolved Oxygen	Temperature Degrees C	DEP	ORP	Salinity
0720	6.14	0.179	30.9	5.44	12.34	2	197	0
0724	6.11	0.179	31.4	5.42	12.34	2	195	0
0728	6.22	0.18	20.2	5.21	12.56	2	168	0
0732	6.27	0.182	20.8	5.21	12.56	2	167	0
0736	6.28	0.182	20.7	5.19	12.57	2	165	0
0740	6.28	0.181	20.6	5.18	12.59	2	163	0
0744	6.44	0.182	20.7	5.16	12.65	2	156	0
0748	6.5	0.181	23.0	5.11	12.75	2	151	0

<u>Sample Collection Date</u>	4/14/04
<u>Monitoring Well ID</u>	MW-9
<u>Depth to water</u>	5.83'
<u>Depth to bottom</u>	55'
<u>Water Column</u>	49.17'
<u>Well Diameter</u>	4"

Time	pH pH Units	Conductivity	Turbidity NTU	Dissolved Oxygen	Temperature Degrees C	DEP	ORP	Salinity
0820	7.03	0.272	55.3	7.88	11.24	2	140	0
0824	7.29	0.272	42.8	6.87	11.46	2	118	0
0828	7.30	0.272	41.3	6.85	11.50	2	117	0
0832	7.31	0.272	39.8	6.81	11.57	2	114	0
0836	7.32	0.273	38.9	6.75	11.74	2	108	0
0840	7.32	0.273	40.0	6.74	11.76	2	107	0
0844	7.33	0.274	37.5	6.72	11.89	2	103	0
0848	7.33	0.273	38.5	6.73	11.90	2	103	0

Boyertown Sanitary Disposal Landfill
Purge Logs

<u>Sample Collection Date</u>	4/14/04
<u>Monitoring Well ID</u>	MW-6
<u>Depth to water</u>	11.48'
<u>Depth to bottom</u>	50.00'
<u>Water Column</u>	38.52'
<u>Well Diameter</u>	4"

Time	pH pH Units	Conductivity	Turbidity NTU	Dissolved Oxygen	Temperature Degrees C	DEP	ORP	Salinity
0940	7.22	0.432	11	7.43	13.11	3	157	0
0944	7.16	0.424	9	6.55	13.33	2	143	0
0948	7.33	0.376	11	7.19	13.39	2	120	0
0952	7.46	0.377	14	7.05	13.3	2	111	0
0956	7.47	0.364	16	7.11	13.41	2	111	0
1000	7.53	0.369	24	7.14	13.33	2	106	0
1004	7.53	0.373	25.1	7.02	13.23	2	107	0
1008	7.52	0.355	27.2	7.03	13.48	2	108	0

APPENDIX B

PADEP Laboratory Data Package

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Sample ID: 2119 062 04/13/2004

Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 09:30:00 AM

County: NOT INDICATED
Municipality: NOT INDICATED

Location: NOT INDICATED
Reason: Routine Sampling

State:

AMW=1

Laboratory Sample ID: I2004013990
Standard Analysis: 210

COMPLETED

Legal Seal: E027324 Intact: YES
Legal Seal: E027325 Intact: YES
Legal Seal: E027326 Intact: YES
Legal Seal: E027327 Intact: YES
Legal Seal: E027328 Intact: YES
Legal Seal: E027329 Intact: YES

Test/CAS# - Description	Reported Results	Completed
00980A IRON R	<20 UG/L	04/22/2004
01046A IRON D	<20 UG/L	04/22/2004
00410 ALKALINITY	293.6 MG/L	04/15/2004
00945A SULFATE T	23.1 MG/L	04/16/2004
70353 T-ORG HALIDES	38.65 UG/L	04/16/2004
00918A CALCIUM R	85.700 MG/L	04/22/2004
00915A CALCIUM D	81.000 MG/L	04/22/2004
00095 SPECIFIC CON	711.00 umhos/cm	04/16/2004
01040A COPPER D	<10 UG/L	04/22/2004
01119A COPPER R	<10 UG/L	04/22/2004
01030H CHROMIUM D	<4 UG/L	04/20/2004
01118H CHROMIUM R	4.300 UG/L	04/20/2004
82079 TURBIDITY	<1 NTU	04/16/2004

** Comment ** Time Limit For Test Exceeded

00610A AMMONIA N T	<.02 MG/L	04/16/2004
00340 COD	<10.0 MG/L	04/27/2004
01075A SILVER D	<10 UG/L	04/22/2004
01079A SILVER R	<10 UG/L	04/22/2004
00951 FLUORIDE T	<0.20 MG/L	04/22/2004
71890X MERCURY D	<1 UG/L	04/16/2004
71901X MERCURY R	<1 UG/L	04/16/2004
00923A SODIUM R	14.000 MG/L	04/22/2004
00930A SODIUM D	13.300 MG/L	04/22/2004
00403 pH	7.5 pH units	04/15/2004

** Comment ** Time Limit For Test Exceeded

01056A MANGANESE D	<10 UG/L	04/22/2004
01123A MANGANESE R	<10.00 UG/L	04/22/2004
01113H CADMIUM R	<.2 UG/L	04/20/2004

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Sample ID: 2119 062 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
01025H CADMIUM D	<.20 UG/L	04/20/2004
01114H LEAD TOT R	1.400 UG/L	04/20/2004
01049H LEAD D	1.400 UG/L	04/20/2004
00515 TDS @105 C	458 MG/L	04/20/2004
01094A ZINC R	414.000 UG/L	04/22/2004
01090A ZINC D	404.000 UG/L	04/22/2004
00620A Nitrate-N	2.16 MG/L	04/16/2004

** Comment ** Time Limit For Test Exceeded

00935A POTASSIUM D	<1.00 MG/L	04/22/2004
00939A POTASSIUM R	1.410 MG/L	04/22/2004
01009A BARIUM R	670.000 UG/L	04/22/2004
01005A BARIUM D	638.000 UG/L	04/22/2004
00978H ARSENIC R	<4.0 UG/L	04/20/2004
01000H ARSENIC D	<4.0 UG/L	04/20/2004
00680 T ORG CARBON	1.90 MG/L	04/16/2004
32730D Phenols Dist	<5.0 UG/L	04/16/2004
00921A MAGNESIUM R	34.000 MG/L	04/22/2004
00925A MAGNESIUM D	32.500 MG/L	04/22/2004
01145H SELENIUM D	<7 UG/L	04/20/2004
00981H SELENIUM R	<7 UG/L	04/20/2004
00940A CHLORIDE	49.0 MG/L	04/22/2004

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Sample ID: 2119 050 04/13/2004 Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 07:30:00 AM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: SMW-1
Reason: Routine Sampling

Laboratory Sample ID: I2004013979 COMPLETED
Standard Analysis: 210

Legal Seal: E027247 Intact: YES
Legal Seal: E027248 Intact: YES
Legal Seal: E027249 Intact: YES
Legal Seal: E027250 Intact: YES
Legal Seal: E027251 Intact: YES
Legal Seal: E027252 Intact: YES

Test/CAS# - Description	Reported Results	Completed
00980A IRON R	197.000 UG/L	04/20/2004
01046A IRON D	<20 UG/L	04/20/2004
00410 ALKALINITY	388.8 MG/L	04/15/2004
00945A SULFATE T	26.4 MG/L	04/16/2004
70353 T-ORG HALIDE	80.20 UG/L	04/16/2004
00918A CALCIUM R	178.000 MG/L	04/20/2004
00915A CALCIUM D	176.000 MG/L	04/20/2004
00095 SPECIFIC CON	1617.00 umhos/cm	04/16/2004
01040A COPPER D	<10 UG/L	04/20/2004
01119A COPPER R	<10 UG/L	04/20/2004
01030H CHROMIUM D	<4 UG/L	04/20/2004
01118H CHROMIUM R	<4.0 UG/L	04/20/2004
82079 TURBIDITY	2.12 NTU	04/16/2004

** Comment ** Time Limit For Test Exceeded

00610A AMMONIA-N T	0.07 MG/L	04/16/2004
00340 COD	22.1 MG/L	04/27/2004
01075A SILVER D	<10 UG/L	04/20/2004
01079A SILVER R	<10 UG/L	04/20/2004
00951 FLUORIDE T	<0.20 MG/L	04/22/2004
71890X MERCURY D	<1 UG/L	04/16/2004
71901X MERCURY R	<1 UG/L	04/16/2004
00923A SODIUM R	101.000 MG/L	04/20/2004
00930A SODIUM D	100.000 MG/L	04/20/2004
00403 pH	7.4 pH units	04/15/2004

** Comment ** Time Limit For Test Exceeded

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Sample ID: 2119 050 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
01056A MANGANESE D	1020.000 UG/L	04/20/2004
01129A MANGANESE R	1050.000 UG/L	04/20/2004
01113H CADMIUM R	<.2 UG/L	04/20/2004
01025H CADMIUM D	<.20 UG/L	04/20/2004
01114H LEAD TOT R	<1.0 UG/L	04/20/2004
01049H LEAD D	<1.0 UG/L	04/20/2004
00515 TDS Q105 C	1110 MG/L	04/19/2004
01094A ZINC R	<10.0 UG/L	04/20/2004
01090A ZINC D	<10.0 UG/L	04/20/2004
00620A Nitrate-N	3.05 MG/L	04/16/2004

** Comment ** Time Limit For Test Exceeded

-00935A POTASSIUM D	2.190 MG/L	04/20/2004
00939A POTASSIUM R	2.200 MG/L	04/20/2004
01009A BARIUM R	489.000 UG/L	04/20/2004
01005A BARIUM D	487.000 UG/L	04/20/2004
00978H ARSENIC R	<4.0 UG/L	04/20/2004
01000H ARSENIC D	<4.0 UG/L	04/20/2004
00680 T ORG CARBON	7.00 MG/L	04/16/2004
32730D Phenols-Dist	<5.0 UG/L	04/16/2004
00921A MAGNESIUM R	44.200 MG/L	04/20/2004
00925A MAGNESIUM D	44.000 MG/L	04/20/2004
01145H SELENIUM D	<7 UG/L	04/20/2004
00981H SELENIUM R	<7 UG/L	04/20/2004
00940A CHLORIDE	400.4 MG/L	04/22/2004

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Sample ID: 2119 054 04/13/2004 Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 11:30:00 AM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: MW-5
Reason: Routine Sampling

Laboratory Sample ID: I2004014027 COMPLETED
Standard Analysis: 210

Legal Seal: E027275 Intact: YES
Legal Seal: E027276 Intact: YES
Legal Seal: E027277 Intact: YES
Legal Seal: E027278 Intact: YES
Legal Seal: E027279 Intact: YES
Legal Seal: E027280 Intact: YES

Test/CAS# - Description	Reported Results	Completed
00980A IRON R	147.000 UG/L	04/22/2004
01046A IRON D	<20 UG/L	04/22/2004
00410 ALKALINITY	258.4 MG/L	04/15/2004
00945A SULFATE T	24.4 MG/L	04/16/2004
70353 T ORG HALIDE	27.37 UG/L	04/19/2004
00918A CALCIUM R	65.900 MG/L	04/22/2004
00915A CALCIUM D	65.900 MG/L	04/22/2004
00095 SPECIFIC CON	583.00 umhos/cm	04/16/2004
01040A COPPER D	<10 UG/L	04/22/2004
01119A COPPER R	<10 UG/L	04/22/2004
01030H CHROMIUM D	<4 UG/L	04/20/2004
01118H CHROMIUM R	<4.0 UG/L	04/20/2004
82079 TURBIDITY	4.67 NTU	04/16/2004

** Comment ** Time Limit For Test Exceeded

00610A AMMONIA N T	<.02 MG/L	04/16/2004
00340 COD	<10.0 MG/L	04/27/2004
01075A SILVER D	<10 UG/L	04/22/2004
01079A SILVER R	<10 UG/L	04/22/2004
00951 FLUORIDE T	<0.20 MG/L	04/22/2004
71890X MERCURY D	<1 UG/L	04/16/2004
71901X MERCURY R	<1 UG/L	04/16/2004
00923A SODIUM R	11.100 MG/L	04/22/2004
00930A SODIUM D	11.100 MG/L	04/22/2004
00403 pH	7.9 pH units	04/15/2004

** Comment ** Time Limit For Test Exceeded

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Sample ID: 2119 054 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
01056A MANGANESE D	<10 UG/L	04/22/2004
01123A MANGANESE R	<10.00 UG/L	04/22/2004
01113H CADMIUM R	<.2 UG/L	04/20/2004
01025H CADMIUM D	<.20 UG/L	04/20/2004
01114H LEAD TOT R	<1.0 UG/L	04/20/2004
01049H LEAD D	<1.0 UG/L	04/20/2004
00515 TDS Q105 C	380 MG/L	04/19/2004
01094A ZINC R	<10.0 UG/L	04/22/2004
01090A ZINC D	<10.0 UG/L	04/22/2004
00620A Nitrate-N	4.81 MG/L	04/16/2004
** Comment **	Time Limit For Test Exceeded	
00935A POTASSIUM D	1.290 MG/L	04/22/2004
00939A POTASSIUM R	1.290 MG/L	04/22/2004
01009A BARIUM R	<10 UG/L	04/22/2004
01005A BARTUM D	579.000 UG/L	04/22/2004
00978H ARSENIC R	<4.0 UG/L	04/20/2004
01000H ARSENIC D	<4.0 UG/L	04/20/2004
00680 T ORG CARBON	1.30 MG/L	04/16/2004
32730D Phenols-Dist	<5.0 UG/L	04/16/2004
00921A MAGNESIUM R	26.800 MG/L	04/22/2004
00925A MAGNESIUM D	26.800 MG/L	04/22/2004
01145H SELENIUM D	<7 UG/L	04/20/2004
00981H SELENIUM R	<7 UG/L	04/20/2004
00940A CHLORIDE	15.9 MG/L	04/22/2004

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Sample ID: 2119 055 04/13/2004 Status: COMPLETED

Collector: Jennifer A Wilson
 Collected: 04/13/2004 12:00:00 PM

County: Montgomery State: PA
 Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
 300 MERKEL ROAD
 GILBERTSVILLE PA 19525-

Location: field blank
 Reason: Routine Sampling

Laboratory Sample ID: I2004014028 COMPLETED
 Standard Analysis: 210

Legal Seal: E027282 Intact: YES
 Legal Seal: E027283 Intact: YES
 Legal Seal: E027284 Intact: YES
 Legal Seal: E027285 Intact: YES
 Legal Seal: E027286 Intact: YES
 Legal Seal: E027287 Intact: YES

Test/CAS# - Description	Reported Results	Completed
00980A IRON R	<20 UG/L	04/22/2004
01046A IRON D	<20 UG/L	04/22/2004
00410 ALKALINITY	2.4 MG/L	04/15/2004
00945A SULFATE T	<20.0 MG/L	04/16/2004
70353 T ORG HALIDE	<5 UG/L	04/20/2004
00918A CALCIUM R	<.03 MG/L	04/22/2004
00915A CALCIUM D	<0.03 MG/L	04/22/2004
00095 SPECIFIC CON	1.34 umhos/cm	04/16/2004
01040A COPPER D	<10 UG/L	04/22/2004
01119A COPPER R	<10 UG/L	04/22/2004
01030H CHROMIUM D	<4 UG/L	04/20/2004
01118H CHROMIUM R	<4.0 UG/L	04/20/2004
82079 TURBIDITY	<1 NTU	04/16/2004

** Comment ** Time Limit For Test Exceeded

00610A AMMONIA-N T	<.02 MG/L	04/16/2004
00340 COD	<10.0 MG/L	04/27/2004
01075A SILVER D	<10 UG/L	04/22/2004
01079A SILVER R	<10 UG/L	04/22/2004
00951 FLUORIDE T	<0.20 MG/L	04/22/2004
71890X MERCURY D	<1 UG/L	04/16/2004
71901X MERCURY R	<1 UG/L	04/16/2004
00923A SODIUM R	<.01 MG/L	04/22/2004
00930A SODIUM D	<.2 MG/L	04/22/2004
00403 pH	6.0 pH units	04/15/2004

** Comment ** Time Limit For Test Exceeded

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Sample ID: 2119 055 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
01056A MANGANESE D	<10 UG/L	04/22/2004
01123A MANGANESE R	<10.00 UG/L	04/22/2004
01113H CADMIUM R	<.2 UG/L	04/20/2004
01025H CADMIUM D	<.20 UG/L	04/20/2004
01114H LEAD TOT R	<1.0 UG/L	04/20/2004
01049H LEAD D	<1.0 UG/L	04/20/2004
00515 TDS @105 e	52 MG/L	04/19/2004
01094A ZINC R	<10.0 UG/L	04/22/2004
01090A ZINC D	<10.0 UG/L	04/22/2004
00620A Nitrate N	<.04 MG/L	04/16/2004
** Comment ** Time Limit For Test Exceeded		
00935A POTASSIUM D	<1.00 MG/L	04/22/2004
00939A POTASSIUM R	<1.00 MG/L	04/22/2004
01009A BARIUM R	<10 UG/L	04/22/2004
01005A BARIUM D	<10.0 UG/L	04/22/2004
00978H ARSENIC R	<4.0 UG/L	04/20/2004
01000H ARSENIC D	<4.0 UG/L	04/20/2004
00680 TOC ORG CARBON	<0.50 MG/L	04/16/2004
32730D Phenols-Dist	<5.0 UG/L	04/16/2004
00921A MAGNESIUM R	<.01 MG/L	04/22/2004
00925A MAGNESIUM D	<0.01 MG/L	04/22/2004
01145H SELENIUM D	<7 UG/L	04/20/2004
00981H SELENIUM R	<7 UG/L	04/20/2004
00940A CHLORIDE	1.3 MG/L	04/22/2004

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Sample ID: 2119 056 04/13/2004 Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 01:45:00 PM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: MW-11
Reason: Routine Sampling

Laboratory Sample ID: I2004014173 COMPLETED
Standard Analysis: 210

Legal Seal: E027289 Intact: YES
Legal Seal: E027290 Intact: YES
Legal Seal: E027291 Intact: YES
Legal Seal: E027292 Intact: YES
Legal Seal: E027293 Intact: YES
Legal Seal: E027294 Intact: YES

Test/CAS# - Description	Reported Results	Completed
00980A IRON R	1500.000 UG/L	04/16/2004
01046A IRON D	24.000 UG/L	04/16/2004
00410 ALKALINITY	71.4 MG/L	04/16/2004
00945A SULFATE T	<20.0 MG/L	04/16/2004
70353 T ORG HALIDE	<5 UG/L	04/20/2004
00918A CALCIUM R	29.000 MG/L	04/20/2004
00915A CALCIUM D	29.400 MG/L	04/20/2004
00095 SPECIFIC CON	185.70 umhos/cm	04/16/2004
01040A COPPER D	<10 UG/L	04/16/2004
01119A COPPER R	<10 UG/L	04/16/2004
01030H CHROMIUM D	<4 UG/L	04/20/2004
01118H CHROMIUM R	<4.0 UG/L	04/20/2004
82079 TURBIDITY	39.79 NTU	04/16/2004

** Comment ** Time Limit For Test Exceeded

00610A AMMONIA-N T	<.02 MG/L	04/16/2004
00340 COD	<10.0 MG/L	04/27/2004
01075A SILVER D	<10 UG/L	04/16/2004
01079A SILVER R	<10 UG/L	04/16/2004
00951 FLUORIDE T	<0.20 MG/L	04/22/2004
71890X MERCURY D	<1 UG/L	04/16/2004
71901X MERCURY R	<1 UG/L	04/16/2004
00923A SODIUM R	4.660 MG/L	04/16/2004
00930A SODIUM D	4.500 MG/L	04/16/2004
00403 pH	6.9 pH units	04/16/2004

** Comment ** Time Limit For Test Exceeded

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Sample ID: 2119 056 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
01056A MANGANESE D	<10 UG/L	04/19/2004
01123A MANGANESE R	20.000 UG/L	04/19/2004
01113H CADMIUM R	<.2 UG/L	04/20/2004
01025H CADMIUM D	<.20 UG/L	04/20/2004
01114H LEAD TOT R	<1.0 UG/L	04/20/2004
01049H LEAD D	<1.0 UG/L	04/20/2004
00515 TDS @105 C	152 MG/L	04/19/2004
01094A ZINC R	<10.0 UG/L	04/16/2004
01090A ZINC D	<10.0 UG/L	04/16/2004
00620A Nitrate N	1.39 MG/L	04/16/2004

** Comment ** Time Limit For Test Exceeded

00935A POTASSIUM D	1.040 MG/L	04/16/2004
00939A POTASSIUM R	1.730 MG/L	04/16/2004
01009A BARIUM R	150.000 UG/L	04/16/2004
01005A BARIUM D	131.000 UG/L	04/16/2004
00978H ARSENIC R	<4.0 UG/L	04/20/2004
01000H ARSENIC D	<4.0 UG/L	04/20/2004
00680 TO-ORG CARBON	3.30 MG/L	04/16/2004
32730D Phenols-Dist	<5.0 UG/L	04/16/2004
00921A MAGNESIUM R	3.440 MG/L	04/16/2004
00925A MAGNESIUM D	3.020 MG/L	04/16/2004
01145H SELENIUM D	<7 UG/L	04/20/2004
00981H SELENIUM R	<7 UG/L	04/20/2004
00940A CHLORIDE	2.5 MG/L	04/22/2004

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Sample ID: 2119 057 04/13/2004

Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 03:00:00 PM

County: Montgomery
Municipality: Douglass Twp

State: PA

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: MW-12
Reason: Routine Sampling

Laboratory Sample ID: I2004014174
Standard Analysis: 210

COMPLETED

Legal Seal: E027296 Intact: YES
Legal Seal: E027297 Intact: YES
Legal Seal: E027298 Intact: YES
Legal Seal: E027299 Intact: YES
Legal Seal: E027300 Intact: YES
Legal Seal: E027301 Intact: YES

Test/CAS# - Description	Reported Results	Completed
00980A IRON R	150.000 UG/L	04/16/2004
01046A IRON D	<20 UG/L	04/16/2004
00410 ALKALINITY	189.2 MG/L	04/16/2004
00945A SULFATE T	20.5 MG/L	04/16/2004
70353 ORG HALIDE	6.15 UG/L	04/20/2004
00918A CALCIUM R	63.500 MG/L	04/20/2004
00915A CALCIUM D	61.900 MG/L	04/20/2004
00095 SPECIFIC CON	393.00 umhos/cm	04/16/2004
01040A COPPER D	<10 UG/L	04/16/2004
01119A COPPER R	<10 UG/L	04/16/2004
01030H CHROMIUM D	<4 UG/L	04/20/2004
01118H CHROMIUM R	<4.0 UG/L	04/20/2004
82079 TURBIDITY	6.62 NTU	04/16/2004

** Comment ** Time Limit For Test Exceeded

00610A AMMONIA-N T	<.02 MG/L	04/16/2004
00340 COD	<10.0 MG/L	04/27/2004
01075A SILVER D	<10 UG/L	04/16/2004
01079A SILVER R	<10 UG/L	04/16/2004
00951 FLUORIDE T	<0.20 MG/L	04/22/2004
71890X MERCURY D	<1 UG/L	04/16/2004
71901X MERCURY R	<1 UG/L	04/16/2004
00923A SODIUM R	6.930 MG/L	04/16/2004
00930A SODIUM D	7.190 MG/L	04/16/2004
00403 pH	7.9 pH units	04/16/2004

** Comment ** Time Limit For Test Exceeded

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Sample ID: 2119 057 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
01056A MANGANESE D	42.000 UG/L	04/16/2004
01123A MANGANESE R	679.000 UG/L	04/16/2004
01113H CADMIUM R	<.2 UG/L	04/20/2004
01025H CADMIUM D	<.20 UG/L	04/20/2004
01114H LEAD TOT R	<1.0 UG/L	04/20/2004
01049H LEAD D	<1.0 UG/L	04/20/2004
00515 TDS @105 C	192 MG/L	04/19/2004
01094A ZINC R	<10.0 UG/L	04/16/2004
01090A ZINC D	<10.0 UG/L	04/16/2004
00620A Nitrate N	0.19 MG/L	04/16/2004

** Comment ** Time Limit For Test Exceeded

00935A POTASSIUM D	<1.00 MG/L	04/16/2004
00939A POTASSIUM R	<1.00 MG/L	04/16/2004
01009A BARIUM R	170.000 UG/L	04/16/2004
01005A BARIUM D	154.000 UG/L	04/16/2004
00978H ARSENIC R	4.200 UG/L	04/20/2004
01000H ARSENIC D	4.600 UG/L	04/20/2004
00680 T ORG CARBON	0.90 MG/L	04/16/2004
32730D Phenols-Dist	<5.0 UG/L	04/23/2004
00921A MAGNESIUM R	12.600 MG/L	04/20/2004
00925A MAGNESIUM D	12.300 MG/L	04/20/2004
01145H SELENIUM D	<7 UG/L	04/20/2004
00981H SELENIUM R	<7 UG/L	04/20/2004
00940A CHLORIDE	2.4 MG/L	04/22/2004

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Sample ID: 2119 058 04/13/2004

Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 03:30:00 PM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: Upstream Minister Creek
Reason: Routine Sampling

Laboratory Sample ID: I2004014016
Standard Analysis: 210

COMPLETED

Legal Seal: E027303 Intact: YES
Legal Seal: E027304 Intact: YES
Legal Seal: E027305 Intact: YES
Legal Seal: E027306 Intact: YES
Legal Seal: E027307 Intact: YES
Legal Seal: E027308 Intact: YES

Test/CAS# - Description	Reported Results	Completed
00980A IRON R	1110.000 UG/L	04/22/2004
01046A IRON D	1070.000 UG/L	04/22/2004
00410 ALKALINITY	59.0 MG/L	04/15/2004
00945A SULFATE T	<20.0 MG/L	04/16/2004
70353 T ORG HALIDE	29.98 UG/L	04/19/2004
00918A CALCIUM R	29.300 MG/L	04/22/2004
00915A CALCIUM D	28.700 MG/L	04/22/2004
00095 SPECIFIC CON	368.00 umhos/cm	04/16/2004
01040A COPPER D	<10 UG/L	04/22/2004
01119A COPPER R	13.000 UG/L	04/22/2004
01030H CHROMIUM D	<4 UG/L	04/20/2004
01118H CHROMIUM R	<4.0 UG/L	04/20/2004
82079 TURBIDITY	44.60 NTU	04/16/2004
00610A AMMONIA-N T	0.03 MG/L	04/16/2004
00340 COD	10.5 MG/L	04/27/2004
01075A SILVER D	<10 UG/L	04/22/2004
01079A SILVER R	<10 UG/L	04/22/2004
00951 FLUORIDE T	<0.20 MG/L	04/22/2004
71090X MERCURY D	<1 UG/L	04/16/2004
71901X MERCURY R	<1 UG/L	04/16/2004
00923A SODIUM R	29.800 MG/L	04/22/2004
00930A SODIUM D	29.000 MG/L	04/22/2004
00403 pH	7.5 pH units	04/15/2004
** Comment **	Time Limit For Test Exceeded	
01056A MANGANESE D	87.000 UG/L	04/22/2004

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Sample ID: 2119 058 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
01123A MANGANESE R	89.000 UG/L	04/22/2004
01113H CADMIUM R	<.2 UG/L	04/20/2004
01025H CADMIUM D	<.20 UG/L	04/20/2004
01114H LEAD TOT R	1.500 UG/L	04/20/2004
01049H LEAD D	1.200 UG/L	04/20/2004
00315 TDS Q105 C	262 MG/L	04/19/2004
01094A ZINC R	13.000 UG/L	04/22/2004
01090A ZINC D	<10.0 UG/L	04/22/2004
00620A Nitrate-N	1.24 MG/L	04/16/2004

** Comment ** Time Limit For Test Exceeded

00935A POTASSIUM D	1.960 MG/L	04/22/2004
00939A POTASSIUM R	2.030 MG/L	04/22/2004
01009A BARIUM P	74.000 UG/L	04/22/2004
01005A BARIUM D	72.000 UG/L	04/22/2004
00978H ARSENIC R	<4.0 UG/L	04/20/2004
01000H ARSENIC D	<4.0 UG/L	04/20/2004
00680 T ORG CARBON	4.50 MG/L	04/16/2004
32730D Phenols-Dist	<5.0 UG/L	04/16/2004
00921A MAGNESIUM R	6.700 MG/L	04/22/2004
00925A MAGNESIUM D	6.570 MG/L	04/22/2004
01145H SELENIUM D	<7 UG/L	04/20/2004
00981H SELENIUM R	<7 UG/L	04/20/2004
00940A CHLORIDE	68.4 MG/L	04/22/2004

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Sample ID: 2119 061 04/13/2004

Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 10:30:00 AM

County: NOT INDICATED
Municipality: NOT INDICATED

State:

Location: NOT INDICATED
Reason: Routine Sampling

MW-6

Laboratory Sample ID: I2004013989
Standard Analysis: 210

COMPLETED

Legal Seal: E027331 Intact: YES
Legal Seal: E027332 Intact: YES
Legal Seal: E027333 Intact: YES
Legal Seal: E027334 Intact: YES
Legal Seal: E027335 Intact: YES
Legal Seal: E027336 Intact: YES

Test/CAS# - Description	Reported Results	Completed
00980A IRON R	1150.000 UG/L	04/22/2004
01046A IRON D	<20 UG/L	04/22/2004
00410 ALKALINITY	179.8 MG/L	04/15/2004
00945A SULFATE T	<20.0 MG/L	04/16/2004
70353 T ORG HALIDE	<5 UG/L	04/16/2004
00918A CALCIUM R	49.500 MG/L	04/22/2004
00915A CALCIUM D	48.400 MG/L	04/22/2004
00095 SPECIFIC CON	383.00 umhos/cm	04/16/2004
01040A COPPER D	<10 UG/L	04/22/2004
01119A COPPER R	<10 UG/L	04/22/2004
01030H CHROMIUM D	<4 UG/L	04/20/2004
01118H CHROMIUM R	<4.0 UG/L	04/20/2004
82079 TURBIDITY	42.00 NTU	04/16/2004

** Comment ** Time Limit For Test Exceeded

00610A AMMONIA-N T	<.02 MG/L	04/16/2004
00340 COD	<10.0 MG/L	04/27/2004
01075A SILVER D	<10 UG/L	04/22/2004
01079A SILVER R	<10 UG/L	04/22/2004
00951 FLUORIDE T	<0.20 MG/L	04/22/2004
71890X MERCURY D	<1 UG/L	04/16/2004
71901X MERCURY R	<1 UG/L	04/16/2004
00923A SODIUM R	8.940 MG/L	04/22/2004
00930A SODIUM D	8.740 MG/L	04/22/2004
00403 pH	7.7 pH units	04/15/2004

** Comment ** Time Limit For Test Exceeded

01056A MANGANESE D	<10 UG/L	04/22/2004
01123A MANGANESE R	29.000 UG/L	04/22/2004
01113H CADMIUM R	<.2 UG/L	04/20/2004

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Sample ID: 2119 061 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
01025H CADMIUM D	<.20 UG/L	04/20/2004
01114H LEAD TOT R	<1.0 UG/L	04/20/2004
01049H LEAD D	<1.0 UG/L	04/20/2004
00515 TDS 0105 C	258 MG/L	04/19/2004
01094A ZINC R	<10.0 UG/L	04/22/2004
01090A ZINC D	<10.0 UG/L	04/22/2004
00620A Nitrate-N	1.89 MG/L	04/16/2004
** Comment **	Time Limit For Test Exceeded	
00935A POTASSIUM D	5.190 MG/L	04/22/2004
00939A POTASSIUM B	5.620 MG/L	04/22/2004
01009A BARIUM R	338.000 UG/L	04/22/2004
01005A BARIUM D	317.000 UG/L	04/22/2004
00978H ARSENIC R	<4.0 UG/L	04/20/2004
01000H ARSENIC D	<4.0 UG/L	04/20/2004
00680 # ORG CARBON	1.30 MG/L	04/16/2004
32730D Phenols-Dist	<5.0 UG/L	04/16/2004
00921A MAGNESIUM R	15.600 MG/L	04/22/2004
00925A MAGNESIUM D	15.100 MG/L	04/22/2004
01145H SELENIUM D	<7 UG/L	04/20/2004
00981H SELENIUM R	<7 UG/L	04/20/2004
00940A CHLORIDE	5.3 MG/L	04/22/2004

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Sample ID: 2119 060 04/13/2004

Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 09:00:00 AM

County: NOT INDICATED
Municipality: NOT INDICATED

State:

Location: NOT INDICATED
Reason: Routine Sampling

MW - 9

Laboratory Sample ID: I2004014080
Standard Analysis: 210

COMPLETED

Legal Seal: E027317 Intact: YES
Legal Seal: E027318 Intact: YES
Legal Seal: E027319 Intact: YES
Legal Seal: E027320 Intact: YES
Legal Seal: E027321 Intact: YES
Legal Seal: E027322 Intact: YES

Test/CAS# - Description	Reported Results	Completed
00980A IRON R	648.000 UG/L	04/16/2004
01046A IRON D	21.000 UG/L	04/16/2004
00410 ALKALINITY	142.8 MG/L	04/16/2004
00945A SULFATE T	<20.0 MG/L	04/16/2004
70353 T ORG HALIDE	5.26 UG/L	04/20/2004
00918A CALCIUM R	47.800 MG/L	04/20/2004
00915A CALCIUM D	49.300 MG/L	04/20/2004
00095 SPECIFIC CON	295.00 umhos/cm	04/16/2004
01040A COPPER D	<10 UG/L	04/16/2004
01119A COPPER R	<10 UG/L	04/16/2004
01030H CHROMIUM D	<4 UG/L	04/20/2004
01118H CHROMIUM R	<4.0 UG/L	04/20/2004
82079 TURBIDITY	26.50 NTU	04/16/2004

** Comment ** Time Limit For Test Exceeded

00610A AMMONIA N-T	<.02 MG/L	04/16/2004
00340 COD	<10.0 MG/L	04/27/2004
01075A SILVER D	<10 UG/L	04/16/2004
01079A SILVER R	<10 UG/L	04/16/2004
00951 FLUORIDE T	0.20 MG/L	04/22/2004
71890X MERCURY D	<1 UG/L	04/16/2004
71901X MERCURY R	<1 UG/L	04/16/2004
00923A SODIUM R	4.880 MG/L	04/16/2004
00930A SODIUM D	4.860 MG/L	04/16/2004
00403 pH	7.7 pH units	04/16/2004

** Comment ** Time Limit For Test Exceeded

01056A MANGANESE D	<10 UG/L	04/16/2004
01123A MANGANESE R	<10.00 UG/L	04/19/2004
01113H CADMIUM R	<.2 UG/L	04/20/2004

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Sample ID: 2119 060 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
01025H CADMIUM-D	<.20 UG/L	04/20/2004
01114H LEAD-TOT-R	<1.0 UG/L	04/20/2004
01049H LEAD-D	<1.0 UG/L	04/20/2004
00515 TDS 0105-C	240 MG/L	04/19/2004
01094A ZINC-R	<10.0 UG/L	04/16/2004
01090A ZINC-D	<10.0 UG/L	04/16/2004
00620A Nitrate-N	0.27 MG/L	04/16/2004

** Comment ** Time Limit For Test Exceeded

00935A POTASSIUM-D	1.280 MG/L	04/16/2004
00939A POTASSIUM-R	1.510 MG/L	04/16/2004
01009A BARIUM-R	125.000 UG/L	04/16/2004
01005A BARIUM-D	114.000 UG/L	04/16/2004
00978H ARSENIC-R	<4.0 UG/L	04/20/2004
01000H ARSENIC-D	<4.0 UG/L	04/20/2004
00680 T-ORG CARBON	4.20 MG/L	04/16/2004
32730D Phenols-DIST	<5.0 UG/L	04/16/2004
00921A MAGNESIUM-R	7.970 MG/L	04/16/2004
00925A MAGNESIUM-D	7.730 MG/L	04/16/2004
01145H SELENIUM-D	<7 UG/L	04/20/2004
00981H SELENIUM-R	<7 UG/L	04/20/2004
00940A CHLORIDE	2.8 MG/L	04/22/2004

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Sample ID: 2119 059 04/13/2004

Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 08:00:00 AM

County: NOT INDICATED

State:

Municipality: NOT INDICATED

Location: NOT INDICATED

MW-10

Reason: Routine Sampling

Laboratory Sample ID: I2004014079
Standard Analysis: 210

COMPLETED

Legal Seal: E027310 Intact: YES
Legal Seal: E027311 Intact: YES
Legal Seal: E027312 Intact: YES
Legal Seal: E027313 Intact: YES
Legal Seal: E027314 Intact: YES
Legal Seal: E027315 Intact: YES

Test/CAS# - Description	Reported Results	Completed
00980A IRON R	834.000 UG/L	04/16/2004
01046A IRON D	27.000 UG/L	04/16/2004
00410 ALKALINITY	84.6 MG/L	04/16/2004
00945A SULFATE T	<20.0 MG/L	04/16/2004
70353 T ORG HALIDE	5.02 UG/L	04/20/2004
00918A CALCIUM R	31.200 MG/L	04/20/2004
00915A CALCIUM D	29.700 MG/L	04/20/2004
00095 SPECIFIC CON	195.10 umhos/cm	04/16/2004
01040A COPPER D	<10 UG/L	04/16/2004
01119A COPPER R	<10 UG/L	04/16/2004
01030H CHROMIUM D	<4 UG/L	04/20/2004
01118H CHROMIUM R	<4.0 UG/L	04/20/2004
82079 TURBIDITY	27.46 NTU	04/16/2004

** Comment ** Time Limit For Test Exceeded

00610A AMMONIA N T	<.02 MG/L	04/16/2004
00340 COD	<10.0 MG/L	04/27/2004
01075A SILVER D	<10 UG/L	04/16/2004
01079A SILVER R	<10 UG/L	04/16/2004
00951 FLUORIDE T	<0.20 MG/L	04/22/2004
71890X MERCURY D	<1 UG/L	04/16/2004
71901X MERCURY R	<1 UG/L	04/16/2004
00923A SODIUM R	4.440 MG/L	04/16/2004
00930A SODIUM D	4.250 MG/L	04/16/2004
00403 pH	7.1 pH units	04/16/2004

** Comment ** Time Limit For Test Exceeded

01056A MANGANESE D	<10 UG/L	04/16/2004
01123A MANGANESE R	16.000 UG/L	04/19/2004
01113H CADMUM R	<.2 UG/L	04/20/2004

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Sample ID: 2119 059 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
01025H CADMIUM D	<.20 UG/L	04/20/2004
01114H LEAD TOT R	<1.0 UG/L	04/20/2004
01049H LEAD D	<1.0 UG/L	04/20/2004
00515 TDS C105 C	170 MG/L	04/19/2004
01094A ZINC R	<10.0 UG/L	04/16/2004
01090A ZINC D	<10.0 UG/L	04/16/2004
00620A Nitrate-N	0.43 MG/L	04/16/2004

** Comment ** Time Limit For Test Exceeded

00935A POTASSIUM D	<1.00 MG/L	04/16/2004
00939A POTASSIUM R	1.030 MG/L	04/16/2004
01009A BARIUM R	129.000 UG/L	04/16/2004
01005A BARIUM D	113.000 UG/L	04/16/2004
00978H ARSENIC R	<4.0 UG/L	04/20/2004
01000H ARSENIC D	<4.0 UG/L	04/20/2004
00680 T ORG CARBON	3.10 MG/L	04/16/2004
32730D Phenols Dist	<5.0 UG/L	04/16/2004
00921A MAGNESIUM R	4.560 MG/L	04/16/2004
00925A MAGNESIUM D	4.280 MG/L	04/16/2004
01145H SELENIUM D	<7 UG/L	04/20/2004
00981H SELENIUM R	<7 UG/L	04/20/2004
00940A CHLORIDE	1.4 MG/L	04/22/2004

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Sample ID: 2119 051 04/13/2004 Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 08:45:00 AM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: Downstream Minister Creek
Reason: Routine Sampling

Laboratory Sample ID: I2004013980 COMPLETED
Standard Analysis: 210

Legal Seal: E027254 Intact: YES
Legal Seal: E027255 Intact: YES
Legal Seal: E027256 Intact: YES
Legal Seal: E027257 Intact: YES
Legal Seal: E027258 Intact: YES
Legal Seal: E027259 Intact: YES

Test/CAS# - Description	Reported Results	Completed
00980A IRON-R	839.000 UG/L	04/20/2004
01046A IRON-D	842.000 UG/L	04/20/2004
00410 ALKALINITY	66.0 MG/L	04/15/2004
00945A SULFATE-T	<20.0 MG/L	04/16/2004
70353 T-ORG HALIDES	7.70 UG/L	04/16/2004
00918A CALCIUM-R	30.900 MG/L	04/20/2004
00915A CALCIUM-D	30.200 MG/L	04/20/2004
00095 SPECIFIC CON	350.00 umhos/cm	04/16/2004
01040A COPPER-D	<10 UG/L	04/20/2004
01119A COPPER-R	<10 UG/L	04/20/2004
01030H CHROMIUM-D	<4 UG/L	04/20/2004
01118H CHROMIUM-R	<4.0 UG/L	04/20/2004
82079 TURBIDITY	25.95 NTU	04/16/2004

** Comment ** Time Limit For Test Exceeded

00610A AMMONIA-N-T	0.06 MG/L	04/16/2004
00340 COD	13.0 MG/L	04/27/2004
01075A SILVER-D	<10 UG/L	04/20/2004
01079A SILVER-R	<10 UG/L	04/20/2004
00951 FLUORIDE-T	<0.20 MG/L	04/22/2004
71890X MERCURY-D	<1 UG/L	04/16/2004
71901X MERCURY-R	<1 UG/L	04/16/2004
00923A SODIUM-R	33.100 MG/L	04/20/2004
00930A SODIUM-D	32.600 MG/L	04/20/2004
00403 pH	7.7 pH units	04/15/2004

** Comment ** Time Limit For Test Exceeded

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Sample ID: 2119 051 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
01056A MANGANESE D	69.000 UG/L	04/20/2004
01123A MANGANESE R	70.000 UG/L	04/20/2004
01113H CADMIUM R	<.2 UG/L	04/20/2004
01025H CADMIUM D	<.20 UG/L	04/20/2004
01114H LEAD TOT R	1.800 UG/L	04/20/2004
01049H LEAD D	1.900 UG/L	04/20/2004
00515 TDS 0105 C	244 MG/L	04/19/2004
01094A ZINC R	16.000 UG/L	04/20/2004
01090A ZINC D	17.000 UG/L	04/20/2004
00620A Nitrate N	1.25 MG/L	04/16/2004
** Comment ** Time Limit For Test Exceeded		
00935A POTASSIUM D	1.810 MG/L	04/20/2004
00939A POTASSIUM R	1.850 MG/L	04/20/2004
01009A BARIUM R	66.000 UG/L	04/20/2004
01005A BARIUM D	66.000 UG/L	04/20/2004
00978H ARSENIC R	<4.0 UG/L	04/20/2004
01000H ARSENIC D	<4.0 UG/L	04/20/2004
00680 T/ORG CARBON	5.70 MG/L	04/16/2004
32730D Phenols Dist	<5.0 UG/L	04/16/2004
00921A MAGNESIUM R	5.890 MG/L	04/20/2004
00925A MAGNESIUM D	5.730 MG/L	04/20/2004
01145H SELENIUM D	<7 UG/L	04/20/2004
00981H SELENIUM R	<7 UG/L	04/20/2004
00940A CHLORIDE	59.2 MG/L	04/22/2004

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Sample ID: 2119 052 04/13/2004 Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 09:30:00 AM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: MW-7
Reason: Routine Sampling

Laboratory Sample ID: I2004013999 COMPLETED
Standard Analysis: 210

Legal Seal: E027261 Intact: YES
Legal Seal: E027262 Intact: YES
Legal Seal: E027263 Intact: YES
Legal Seal: E027264 Intact: YES
Legal Seal: E027265 Intact: YES
Legal Seal: E027266 Intact: YES

Test/CAS# - Description	Reported Results	Completed
00980A IRON R	71.000 UG/L	04/22/2004
01046A IRON D	<20 UG/L	04/22/2004
00410 ALKALINITY	214.4 MG/L	04/15/2004
00945A SULFATE P	<20.0 MG/L	04/16/2004
70353 T-ORG HALIDE	19.77 UG/L	04/16/2004
00918A CALCIUM R	86.700 MG/L	04/22/2004
00915A CALCIUM D	85.100 MG/L	04/22/2004
00095 SPECIFIC CON	766.00 umhos/cm	04/16/2004
01040A COPPER D	<10 UG/L	04/22/2004
01119A COPPER R	<10 UG/L	04/22/2004
01030H CHROMIUM D	<4 UG/L	04/20/2004
01118H CHROMIUM R	<4.0 UG/L	04/20/2004
82079 TURBIDITY	2.73 NTU	04/16/2004

** Comment ** Time Limit For Test Exceeded

00610A AMMONIA N T	0.04 MG/L	04/16/2004
00340 COD	10.8 MG/L	04/27/2004
01075A SILVER D	<10 UG/L	04/22/2004
01079A SILVER R	<10 UG/L	04/22/2004
00951 FLUORIDE T	<0.20 MG/L	04/22/2004
71890X MERCURY D	<1 UG/L	04/16/2004
71901X MERCURY R	<1 UG/L	04/16/2004
00923A SODIUM R	27.800 MG/L	04/22/2004
00930A SODIUM D	27.200 MG/L	04/22/2004
00403 pH	7.4 pH units	04/15/2004

** Comment ** Time Limit For Test Exceeded

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Sample ID: 2119 052 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
01056A Manganese D	181.000 UG/L	04/22/2004
01123A Manganese R	244.000 UG/L	04/22/2004
01113H Cadmium R	<.2 UG/L	04/20/2004
01025H Cadmium D	<.20 UG/L	04/20/2004
01114H Lead TOT R	<1.0 UG/L	04/20/2004
01049H Lead D	<1.0 UG/L	04/20/2004
00515 TDS @105 C	460 MG/L	04/19/2004
01094A Zinc R	<10.0 UG/L	04/22/2004
01090A Zinc D	<10.0 UG/L	04/22/2004
00620A Nitrate-N	0.69 MG/L	04/16/2004

** Comment ** Time Limit For Test Exceeded

00935A POTASSIUM D	1.910 MG/L	04/22/2004
00939A POTASSIUM R	1.730 MG/L	04/22/2004
01009A BARIUM R	509.000 UG/L	04/22/2004
01005A BARIUM D	497.000 UG/L	04/22/2004
00978H ARSENIC R	<4.0 UG/L	04/20/2004
01000H ARSENIC D	<4.0 UG/L	04/20/2004
00680 T-ORG CARBON	3.80 MG/L	04/16/2004
32730D Phenols-Dist	<5.0 UG/L	04/16/2004
00921A MAGNESIUM R	22.100 MG/L	04/22/2004
00925A MAGNESIUM D	21.700 MG/L	04/22/2004
01145H SELENIUM D	<7 UG/L	04/20/2004
00981H SELENIUM R	<7 UG/L	04/20/2004
00940A CHLORIDE	117.5 MG/L	04/22/2004

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Sample ID: 2119 053 04/13/2004 Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 10:30:00 AM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: MW-8
Reason: Routine Sampling

Laboratory Sample ID: I2004014000 COMPLETED
Standard Analysis: 210

Legal Seal: E027268 Intact: YES
Legal Seal: E027269 Intact: YES
Legal Seal: E027270 Intact: YES
Legal Seal: E027271 Intact: YES
Legal Seal: E027272 Intact: YES
Legal Seal: E027273 Intact: YES

Test/CAS# - Description	Reported Results	Completed
00980A IRON R	69.000 UG/L	04/22/2004
01046A IRON D	<20 UG/L	04/22/2004
00410 ALKALINITY	224.4 MG/L	04/15/2004
00945A SULFATE T	<20.0 MG/L	04/16/2004
70353 T ORG HALIDE	17.77 UG/L	04/16/2004
00918A CALCIUM E	76.000 MG/L	04/22/2004
00915A CALCIUM D	85.100 MG/L	04/22/2004
00095 SPECIFIC CON	698.00 umhos/cm	04/16/2004
01040A COPPER D	<10 UG/L	04/22/2004
01119A COPPER R	<10 UG/L	04/22/2004
01030H CHROMIUM D	<4 UG/L	04/20/2004
01118H CHROMIUM R	<4.0 UG/L	04/20/2004
82079 TURBIDITY	2.89 NTU	04/16/2004
00610A AMMONIA-N T	<.02 MG/L	04/16/2004
00340 COD	<10.0 MG/L	04/27/2004
01075A SILVER D	<10 UG/L	04/22/2004
01079A SILVER R	<10 UG/L	04/22/2004
00951 FLUORIDE T	<0.20 MG/L	04/22/2004
71890X MERCURY D	<1 UG/L	04/16/2004
71901X MERCURY R	<1 UG/L	04/16/2004
00923A SODIUM E	12.500 MG/L	04/22/2004
00930A SODIUM D	27.200 MG/L	04/22/2004
00403 pH	7.6 pH units	04/15/2004

** Comment **

Time Limit For Test Exceeded

01056A MANGANESE D	181.000 UG/L	04/22/2004
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Sample ID: 2119 053 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
01123A MANGANESE R	20.000 UG/L	04/22/2004
01113H CADMIUM R	<.2 UG/L	04/20/2004
01025H CADMIUM D	<.20 UG/L	04/20/2004
01114H LEAD TOT R	<1.0 UG/L	04/20/2004
01049H LEAD D	2.300 UG/L	04/20/2004
00515 TDS @105 C	382 MG/L	04/19/2004
01094A ZINC R	<10.0 UG/L	04/22/2004
01090A ZINC D	11.000 UG/L	04/22/2004
00620A Nitrate N	0.91 MG/L	04/16/2004
** Comment **	Time Limit For Test Exceeded	
00935A POTASSIUM D	1.910 MG/L	04/22/2004
00939A POTASSIUM R	1.630 MG/L	04/22/2004
01009A BARIUM R	1110.000 UG/L	04/22/2004
01005A BARIUM D	497.000 UG/L	04/22/2004
00978H ARSENIC R	4.000 UG/L	04/20/2004
01000H ARSENIC D	4.800 UG/L	04/20/2004
00680 T-ORG CARBON	1.70 MG/L	04/16/2004
32730D Phenols-Dist	<5.0 UG/L	04/16/2004
00921A MAGNESIUM R	30.400 MG/L	04/22/2004
00925A MAGNESIUM D	21.700 MG/L	04/22/2004
01145H SELENIUM D	<7 UG/L	04/20/2004
00981H SELENIUM R	<7 UG/L	04/20/2004
00940A CHLORIDE	93.5 MG/L	04/22/2004

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Sample ID: 2119 051 04/13/2004 Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 08:45:00 AM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: Downstream Minister Creek
Reason: Routine Sampling

Laboratory Sample ID: O2004001354 COMPLETED
Suite: VOA-1

Legal Seal: E027253 Intact: YES

Test/CAS# - Description	Reported Results	Completed
96128 1,2-Dibromo-3-chloropropane	1.0 UG/L (U)	04/23/2004
108883 Toluene	0.50 UG/L (U)	04/23/2004
100425 Styrene	0.50 UG/L (U)	04/23/2004
108907 Chlorobenzene	0.50 UG/L (U)	04/23/2004
108383 m/p-Xylene	1.0 UG/L (U)	04/23/2004
127184 Tetrachloroethene	0.50 UG/L (U)	04/23/2004
98828 Isopropylbenzene	0.50 UG/L (U)	04/23/2004
156605 trans-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
106934 1,2-Dibromoethane	0.50 UG/L (U)	04/23/2004
109999 Tetrahydrofuran	0.50 UG/L (U)	04/23/2004
104518 n-Butylbenzene	0.50 UG/L (U)	04/23/2004
75014 Chloroethene	0.50 UG/L (U)	04/23/2004
95498 o-Chlorotoluene	0.50 UG/L (U)	04/23/2004
75274 Bromodichloromethane	0.50 UG/L (U)	04/23/2004
594207 2,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
563586 1,1-Dichloropropene	0.50 UG/L (U)	04/23/2004
120821 1,2,4-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
75150 Carbon Disulfide	0.50 UG/L (U)	04/23/2004
108101 MIBK	2.5 UG/L (U)	04/23/2004
98066 Tert-Butylbenzene	0.50 UG/L (U)	04/23/2004
75092 Methylene Chloride	0.50 UG/L (U)	04/23/2004
75343 1,1-Dichloroethane	0.50 UG/L (U)	04/23/2004
74873 Chloromethane	0.50 UG/L (U)	04/23/2004
74839 Bromomethane	0.50 UG/L (U)	04/23/2004
95476 o-Xylene	0.50 UG/L (U)	04/23/2004
1634044 Methyl Tert-Butyl Ether	0.50 UG/L (U)	04/23/2004

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Sample ID: 2119 051 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
71432 Benzene	0.50 UG/L (U)	04/23/2004
96184 1,2,3-Trichloropropane	0.50 UG/L (U)	04/23/2004
87616 1,2,3-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
74953 Dibromomethane	0.50 UG/L (U)	04/23/2004
591786 2-Hexanone	5.0 UG/L (U)	04/23/2004
156592 cis-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
10061015 cis-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
67663 Chloroform	0.50 UG/L (U)	04/23/2004
56235 Carbon Tetrachloride	0.50 UG/L (U)	04/23/2004
71556 1,1,1-Trichloroethane	0.50 UG/L (U)	04/23/2004
135988 Sec-Butylbenzene	0.50 UG/L (U)	04/23/2004
100414 Ethylbenzene	0.50 UG/L (U)	04/23/2004
79005 1,1,2-Trichloroethane	0.50 UG/L (U)	04/23/2004
91203 Naphthalene	2.0 UG/L (U)	04/23/2004
87683 Hexachlorobutadiene	1.0 UG/L (U)	04/23/2004
78875 1,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
107062 1,2-Dichloroethane	0.50 UG/L (U)	04/23/2004
106434 p-Chlorotoluene	0.50 UG/L (U)	04/23/2004
78933 MEK	2.5 UG/L (U)	04/23/2004
124481 Dibromochloromethane	0.50 UG/L (U)	04/23/2004
108678 1,3,5-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
10061026 trans-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
95636 1,2,4-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
75718 Dichlorodifluoromethane	0.50 UG/L (U)	04/23/2004
67641 Acetone	2.5 UG/L	04/23/2004
98566 PCTFB	0.50 UG/L (U)	04/23/2004
79016 Trichloroethene	0.50 UG/L (U)	04/23/2004
142289 1,3-Dichloropropane	0.50 UG/L (U)	04/23/2004
75354 1,1-Dichloroethene	0.50 UG/L (U)	04/23/2004
75003 Chloroethane	0.50 UG/L (U)	04/23/2004
79345 1,1,2,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
108054 Vinyl Acetate	0.50 UG/L (U)	04/23/2004
75252 Bromoform	0.50 UG/L (U)	04/23/2004
99876 4-Isopropyltoluene	0.50 UG/L (U)	04/23/2004
95501 1,2-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
75694 Trichlorofluoromethane	0.50 UG/L (U)	04/23/2004
630206 1,1,1,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
106467 1,4-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
541731 1,3-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
108861 Bromobenzene	0.50 UG/L (U)	04/23/2004
103651 n-Propylbenzene	0.50 UG/L (U)	04/23/2004

□

ORGANICS LABORATORY QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.
- J - Indicates an estimated value, below the quantification limit, but above the method detection limit.
- N - Indicates presumptive evidence of a compound.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.
- Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.
- _ - (Underline) - The compound is present at the amount reported. No flag.
- X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

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Sample ID: 2119 050 04/13/2004 Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 07:30:00 AM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: SMW-1
Reason: Routine Sampling

Laboratory Sample ID: 02004001353 COMPLETED
Suite: VOA-1

Legal Seal: E027246 Intact: YES
Methoxytrimethyl silane and trimethylsilanol were TICs present in
this sample.

Test/CAS# - Description	Reported Results	Completed
96128 1,2-Dibromo-3-chloropropane	1.0 UG/L (U)	04/23/2004
108883 Toluene	0.50 UG/L (U)	04/23/2004
100425 Styrene	0.50 UG/L (U)	04/23/2004
108907 Chlorobenzene	0.50 UG/L (U)	04/23/2004
108383 m/p-Xylene	1.0 UG/L (U)	04/23/2004
127184 Tetrachloroethene	0.50 UG/L (U)	04/23/2004
98828 Isopropylbenzene	0.50 UG/L (U)	04/23/2004
156605 trans-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
106934 1,2-Dibromoethane	0.50 UG/L (U)	04/23/2004
109999 Tetrahydrofuran	5.6 UG/L	04/23/2004
104518 n-Butylbenzene	0.50 UG/L (U)	04/23/2004
75014 Chloroethene	0.50 UG/L (U)	04/23/2004
95498 o-Chlorotoluene	0.50 UG/L (U)	04/23/2004
75274 Bromodichloromethane	0.50 UG/L (U)	04/23/2004
594207 2,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
563586 1,1-Dichloropropene	0.50 UG/L (U)	04/23/2004
120821 1,2,4-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
75150 Carbon Disulfide	0.50 UG/L (U)	04/23/2004
108101 MIBK	2.5 UG/L (U)	04/23/2004
98066 Tert-Butylbenzene	0.50 UG/L (U)	04/23/2004
75092 Methylene Chloride	0.50 UG/L (U)	04/23/2004
75343 1,1-Dichloroethane	0.50 UG/L (U)	04/23/2004
74873 Chloromethane	0.50 UG/L (U)	04/23/2004
74839 Bromomethane	0.50 UG/L (U)	04/23/2004

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Sample ID: 2119 050 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
95476 o-Xylene	0.50 UG/L (U)	04/23/2004
1634044 Methyl Tert-Butyl Ether	1.3 UG/L	04/23/2004
71432 Benzene	0.50 UG/L (U)	04/23/2004
96184 1,2,3-Trichloropropane	0.50 UG/L (U)	04/23/2004
87616 1,2,3-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
74953 Dibromomethane	0.50 UG/L (U)	04/23/2004
591786 2-Hexanone	5.0 UG/L (U)	04/23/2004
156592 cis-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
10061015 cis-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
67663 Chloroform	0.50 UG/L (U)	04/23/2004
56235 Carbon Tetrachloride	0.50 UG/L (U)	04/23/2004
71556 1,1,1-Trichloroethane	0.50 UG/L (U)	04/23/2004
135988 Sec-Butylbenzene	0.50 UG/L (U)	04/23/2004
100414 Ethylbenzene	0.50 UG/L (U)	04/23/2004
79005 1,1,2-Trichloroethane	0.50 UG/L (U)	04/23/2004
91203 Naphthalene	2.0 UG/L (U)	04/23/2004
87683 Hexachlorobutadiene	1.0 UG/L (U)	04/23/2004
78875 1,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
107062 1,2-Dichloroethane	0.50 UG/L (U)	04/23/2004
106434 p-Chlorotoluene	0.50 UG/L (U)	04/23/2004
78933 MEK	2.5 UG/L (U)	04/23/2004
124481 Dibromochloromethane	0.50 UG/L (U)	04/23/2004
108678 1,3,5-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
10061026 trans-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
95636 1,2,4-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
75718 Dichlorodifluoromethane	0.50 UG/L (U)	04/23/2004
67641 Acetone	2.5 UG/L (U)	04/23/2004
98566 PCTFB	0.50 UG/L (U)	04/23/2004
79016 Trichloroethene	0.50 UG/L (U)	04/23/2004
142289 1,3-Dichloropropane	0.50 UG/L (U)	04/23/2004
75354 1,1-Dichloroethene	0.50 UG/L (U)	04/23/2004
75003 Chloroethane	0.50 UG/L (U)	04/23/2004
79345 1,1,2,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
108054 Vinyl Acetate	0.50 UG/L (U)	04/23/2004
75252 Bromoform	0.50 UG/L (U)	04/23/2004
99876 4-Isopropyltoluene	0.50 UG/L (U)	04/23/2004
95501 1,2-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
75694 Trichlorofluoromethane	0.50 UG/L (U)	04/23/2004
630206 1,1,1,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
106467 1,4-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
541731 1,3-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
108861 Bromobenzene	0.50 UG/L (U)	04/23/2004
103651 n-Propylbenzene	0.50 UG/L (U)	04/23/2004

□

ORGANICS LABORATORY QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.
- J - Indicates an estimated value, below the quantification limit, but above the method detection limit.
- N - Indicates presumptive evidence of a compound.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.
- Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.
- _ - (Underline) - The compound is present at the amount reported. No flag.
- X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

04/26/2004 12:30:02 AM

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Land Recycling & Waste Management

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Sample ID: 2119 058 04/13/2004

Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 03:30:00 PM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: Upstream Minister Creek
Reason: Routine Sampling

Laboratory Sample ID: 02004001361
Suite: VOA-1

COMPLETED

Legal Seal: E027302 Intact: YES

Test/CAS# - Description	Reported Results	Completed
96128 1,2-Dibromo-3-chloropropane	1.0 UG/L (U)	04/23/2004
108883 Toluene	0.50 UG/L (U)	04/23/2004
100425 Styrene	0.50 UG/L (U)	04/23/2004
108907 Chlorobenzene	0.50 UG/L (U)	04/23/2004
108383 m/p-Xylene	1.0 UG/L (U)	04/23/2004
127184 Tetrachloroethene	0.50 UG/L (U)	04/23/2004
98828 Isopropylbenzene	0.50 UG/L (U)	04/23/2004
156605 trans-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
106934 1,2-Dibromoethane	0.50 UG/L (U)	04/23/2004
109999 Tetrahydrofuran	0.50 UG/L (U)	04/23/2004
104518 n-Butylbenzene	0.50 UG/L (U)	04/23/2004
75014 Chloroethene	0.50 UG/L (U)	04/23/2004
95498 o-Chlorotoluene	0.50 UG/L (U)	04/23/2004
75274 Bromodichloromethane	0.50 UG/L (U)	04/23/2004
594207 2,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
563586 1,1-Dichloropropene	0.50 UG/L (U)	04/23/2004
120821 1,2,4-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
75150 Carbon Disulfide	0.50 UG/L (U)	04/23/2004
108101 MIBK	2.5 UG/L (U)	04/23/2004
98066 Tert-Butylbenzene	0.50 UG/L (U)	04/23/2004
75092 Methylene Chloride	0.50 UG/L (U)	04/23/2004
75343 1,1-Dichloroethane	0.50 UG/L (U)	04/23/2004
74873 Chloromethane	0.50 UG/L (U)	04/23/2004
74839 Bromomethane	0.50 UG/L (U)	04/23/2004
95476 o-Xylene	0.50 UG/L (U)	04/23/2004
1634044 Methyl Tert-Butyl Ether	0.50 UG/L (U)	04/23/2004

□

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Sample ID: 2119 058 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
71432 Benzene	0.50 UG/L (U)	04/23/2004
96184 1,2,3-Trichloropropane	0.50 UG/L (U)	04/23/2004
87616 1,2,3-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
74953 Dibromomethane	0.50 UG/L (U)	04/23/2004
591786 2-Hexanone	5.0 UG/L (U)	04/23/2004
156592 cis-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
10061015 cis-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
67663 Chloroform	0.50 UG/L (U)	04/23/2004
56235 Carbon Tetrachloride	0.50 UG/L (U)	04/23/2004
71556 1,1,1-Trichloroethane	0.50 UG/L (U)	04/23/2004
135988 Sec-Butylbenzene	0.50 UG/L (U)	04/23/2004
100414 Ethylbenzene	0.50 UG/L (U)	04/23/2004
79005 1,1,2-Trichloroethane	0.50 UG/L (U)	04/23/2004
91203 Naphthalene	2.0 UG/L (U)	04/23/2004
87683 Hexachlorobutadiene	1.0 UG/L (U)	04/23/2004
78875 1,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
107062 1,2-Dichloroethane	0.50 UG/L (U)	04/23/2004
106434 p-Chlorotoluene	0.50 UG/L (U)	04/23/2004
78933 MEK	2.5 UG/L (U)	04/23/2004
124481 Dibromochloromethane	0.50 UG/L (U)	04/23/2004
108678 1,3,5-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
10061026 trans-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
95636 1,2,4-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
75718 Dichlorodifluoromethane	0.50 UG/L (U)	04/23/2004
67641 Acetone	2.5 UG/L (U)	04/23/2004
98566 PCTFB	0.50 UG/L (U)	04/23/2004
79016 Trichloroethene	0.50 UG/L (U)	04/23/2004
142289 1,3-Dichloropropane	0.50 UG/L (U)	04/23/2004
75354 1,1-Dichloroethene	0.50 UG/L (U)	04/23/2004
75003 Chloroethane	0.50 UG/L (U)	04/23/2004
79345 1,1,2,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
108054 Vinyl Acetate	0.50 UG/L (U)	04/23/2004
75252 Bromoform	0.50 UG/L (U)	04/23/2004
99876 4-Isopropyltoluene	0.50 UG/L (U)	04/23/2004
95501 1,2-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
75694 Trichlorofluoromethane	0.50 UG/L (U)	04/23/2004
630206 1,1,1,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
106467 1,4-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
541731 1,3-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
108861 Bromobenzene	0.50 UG/L (U)	04/23/2004
103651 n-Propylbenzene	0.50 UG/L (U)	04/23/2004

□

ORGANICS LABORATORY QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.
- J - Indicates an estimated value, below the quantification limit, but above the method detection limit.
- N - Indicates presumptive evidence of a compound.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.
- Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.
- _ - (Underline) - The compound is present at the amount reported. No flag.
- X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

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Land Recycling & Waste Management

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Sample ID: 2119 052 04/13/2004

Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 09:30:00 AM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: MW-7
Reason: Routine Sampling

Laboratory Sample ID: O2004001355 COMPLETED
Suite: VOA-1

Legal Seal: E027260 Intact: YES

Test/CAS# - Description	Reported Results	Completed
96128 1,2-Dibromo-3-chloropropane	1.0 UG/L (U)	04/23/2004
108883 Toluene	0.50 UG/L (U)	04/23/2004
100425 Styrene	0.50 UG/L (U)	04/23/2004
108907 Chlorobenzene	0.50 UG/L (U)	04/23/2004
108383 m/p-Xylene	1.0 UG/L (U)	04/23/2004
127184 Tetrachloroethene	0.50 UG/L (U)	04/23/2004
98828 Isopropylbenzene	0.50 UG/L (U)	04/23/2004
156605 trans-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
106934 1,2-Dibromoethane	0.50 UG/L (U)	04/23/2004
109999 Tetrahydrofuran	0.50 UG/L (U)	04/23/2004
104518 n-Butylbenzene	0.50 UG/L (U)	04/23/2004
75014 Chloroethene	0.50 UG/L (U)	04/23/2004
95498 o-Chlorotoluene	0.50 UG/L (U)	04/23/2004
75274 Bromodichloromethane	0.50 UG/L (U)	04/23/2004
594207 2,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
563586 1,1-Dichloropropene	0.50 UG/L (U)	04/23/2004
120821 1,2,4-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
75150 Carbon Disulfide	0.50 UG/L (U)	04/23/2004
108101 MIBK	2.5 UG/L (U)	04/23/2004
98066 Tert-Butylbenzene	0.50 UG/L (U)	04/23/2004
75092 Methylene Chloride	0.50 UG/L (U)	04/23/2004
75343 1,1-Dichloroethane	0.50 UG/L (U)	04/23/2004
74873 Chloromethane	0.50 UG/L (U)	04/23/2004
74839 Bromomethane	0.50 UG/L (U)	04/23/2004
95476 o-Xylene	0.50 UG/L (U)	04/23/2004
1634044 Methyl Tert-Butyl Ether	0.50 UG/L (U)	04/23/2004

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Land Recycling & Waste Management

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Sample ID: 2119 052 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
71432 Benzene	0.50 UG/L (U)	04/23/2004
96184 1,2,3-Trichloropropane	0.50 UG/L (U)	04/23/2004
87616 1,2,3-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
74953 Dibromomethane	0.50 UG/L (U)	04/23/2004
591786 2-Hexanone	5.0 UG/L (U)	04/23/2004
156592 cis-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
10061015 cis-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
67663 Chloroform	0.50 UG/L (U)	04/23/2004
56235 Carbon Tetrachloride	0.50 UG/L (U)	04/23/2004
71556 1,1,1-Trichloroethane	0.50 UG/L (U)	04/23/2004
135988 Sec-Butylbenzene	0.50 UG/L (U)	04/23/2004
100414 Ethylbenzene	0.50 UG/L (U)	04/23/2004
79005 1,1,2-Trichloroethane	0.50 UG/L (U)	04/23/2004
91203 Naphthalene	2.0 UG/L (U)	04/23/2004
87683 Hexachlorobutadiene	1.0 UG/L (U)	04/23/2004
78875 1,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
107062 1,2-Dichloroethane	0.50 UG/L (U)	04/23/2004
106434 p-Chlorotoluene	0.50 UG/L (U)	04/23/2004
78933 MEK	2.5 UG/L (U)	04/23/2004
124481 Dibromochloromethane	0.50 UG/L (U)	04/23/2004
108678 1,3,5-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
10061026 trans-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
95636 1,2,4-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
75718 Dichlorodifluoromethane	0.50 UG/L (U)	04/23/2004
67641 Acetone	2.5 UG/L (U)	04/23/2004
98566 PCTFB	0.50 UG/L (U)	04/23/2004
79016 Trichloroethene	0.50 UG/L (U)	04/23/2004
142289 1,3-Dichloropropane	0.50 UG/L (U)	04/23/2004
75354 1,1-Dichloroethene	0.50 UG/L (U)	04/23/2004
75003 Chloroethane	0.50 UG/L (U)	04/23/2004
79345 1,1,2,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
108054 Vinyl Acetate	0.50 UG/L (U)	04/23/2004
75252 Bromoform	0.50 UG/L (U)	04/23/2004
99876 4-Isopropyltoluene	0.50 UG/L (U)	04/23/2004
95501 1,2-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
75694 Trichlorofluoromethane	0.50 UG/L (U)	04/23/2004
630206 1,1,1,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
106467 1,4-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
541731 1,3-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
108861 Bromobenzene	0.50 UG/L (U)	04/23/2004
103651 n-Propylbenzene	0.50 UG/L (U)	04/23/2004

□

ORGANICS LABORATORY QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.
- J - Indicates an estimated value, below the quantification limit, but above the method detection limit.
- N - Indicates presumptive evidence of a compound.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.
- Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.
- _ - (Underline) - The compound is present at the amount reported. No flag.
- X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

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Analytical Report For
Land Recycling & Waste Management

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Sample ID: 2119 053 04/13/2004 Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 10:30:00 AM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: MW-8
Reason: Routine Sampling

Laboratory Sample ID: 02004001356 COMPLETED
Suite: VOA-1

Legal Seal: E027267 Intact: YES

Test/CAS# - Description	Reported Results	Completed
96128 1,2-Dibromo-3-chloropropane	1.0 UG/L (U)	04/23/2004
108883 Toluene	0.50 UG/L (U)	04/23/2004
100425 Styrene	0.50 UG/L (U)	04/23/2004
108907 Chlorobenzene	0.50 UG/L (U)	04/23/2004
108383 m/p-Xylene	1.0 UG/L (U)	04/23/2004
127184 Tetrachloroethene	0.50 UG/L (U)	04/23/2004
98828 Isopropylbenzene	0.50 UG/L (U)	04/23/2004
156605 trans-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
106934 1,2-Dibromoethane	0.50 UG/L (U)	04/23/2004
109999 Tetrahydrofuran	0.50 UG/L (U)	04/23/2004
104518 n-Butylbenzene	0.50 UG/L (U)	04/23/2004
75014 Chloroethene	0.50 UG/L (U)	04/23/2004
95498 o-Chlorotoluene	0.50 UG/L (U)	04/23/2004
75274 Bromodichloromethane	0.50 UG/L (U)	04/23/2004
594207 2,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
563586 1,1-Dichloropropene	0.50 UG/L (U)	04/23/2004
120821 1,2,4-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
75150 Carbon Disulfide	0.50 UG/L (U)	04/23/2004
108101 MIBK	2.5 UG/L (U)	04/23/2004
98066 Tert-Butylbenzene	0.50 UG/L (U)	04/23/2004
75092 Methylene Chloride	0.50 UG/L (U)	04/23/2004
75343 1,1-Dichloroethane	0.50 UG/L (U)	04/23/2004
74873 Chloromethane	0.50 UG/L (U)	04/23/2004
74839 Bromomethane	0.50 UG/L (U)	04/23/2004
95476 o-Xylene	0.50 UG/L (U)	04/23/2004
1634044 Methyl Tert-Butyl Ether	0.50 UG/L (U)	04/23/2004

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Land Recycling & Waste Management

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Sample ID: 2119 053 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
71432 Benzene	0.50 UG/L (U)	04/23/2004
96184 1,2,3-Trichloropropane	0.50 UG/L (U)	04/23/2004
87616 1,2,3-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
74953 Dibromomethane	0.50 UG/L (U)	04/23/2004
591786 2-Hexanone	5.0 UG/L (U)	04/23/2004
156592 cis-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
10061015 cis-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
67663 Chloroform	0.50 UG/L (U)	04/23/2004
56235 Carbon Tetrachloride	0.50 UG/L (U)	04/23/2004
71556 1,1,1-Trichloroethane	0.50 UG/L (U)	04/23/2004
135988 Sec-Butylbenzene	0.50 UG/L (U)	04/23/2004
100414 Ethylbenzene	0.50 UG/L (U)	04/23/2004
79005 1,1,2-Trichloroethane	0.50 UG/L (U)	04/23/2004
91203 Naphthalene	2.0 UG/L (U)	04/23/2004
87683 Hexachlorobutadiene	1.0 UG/L (U)	04/23/2004
78875 1,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
107062 1,2-Dichloroethane	0.50 UG/L (U)	04/23/2004
106434 p-Chlorotoluene	0.50 UG/L (U)	04/23/2004
78933 MEK	2.5 UG/L (U)	04/23/2004
124481 Dibromochloromethane	0.50 UG/L (U)	04/23/2004
108678 1,3,5-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
10061026 trans-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
95636 1,2,4-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
75718 Dichlorodifluoromethane	0.50 UG/L (U)	04/23/2004
67641 Acetone	2.5 UG/L (U)	04/23/2004
98566 PCTFB	0.50 UG/L (U)	04/23/2004
79016 Trichloroethene	0.50 UG/L (U)	04/23/2004
142289 1,3-Dichloropropane	0.50 UG/L (U)	04/23/2004
75354 1,1-Dichloroethene	0.50 UG/L (U)	04/23/2004
75003 Chloroethane	0.50 UG/L (U)	04/23/2004
79345 1,1,2,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
108054 Vinyl Acetate	0.50 UG/L (U)	04/23/2004
75252 Bromoform	0.50 UG/L (U)	04/23/2004
99876 4-Isopropyltoluene	0.50 UG/L (U)	04/23/2004
95501 1,2-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
75694 Trichlorofluoromethane	0.50 UG/L (U)	04/23/2004
630206 1,1,1,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
106467 1,4-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
541731 1,3-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
108861 Bromobenzene	0.50 UG/L (U)	04/23/2004
103651 n-Propylbenzene	0.50 UG/L (U)	04/23/2004

□

ORGANICS LABORATORY QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.
- J - Indicates an estimated value, below the quantification limit, but above the method detection limit.
- N - Indicates presumptive evidence of a compound.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.
- Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.
- _ - (Underline) - The compound is present at the amount reported. No flag.
- X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

04/26/2004 12:30:02 AM

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Land Recycling & Waste Management

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Sample ID: 2119 054 04/13/2004 Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 11:30:00 AM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: MW-5
Reason: Routine Sampling

Laboratory Sample ID: O2004001357 COMPLETED
Suite: VOA-1

Legal Seal: E027274 Intact: YES

Test/CAS# - Description	Reported Results	Completed
96128 1,2-Dibromo-3-chloropropane	1.0 UG/L (U)	04/23/2004
108883 Toluene	0.50 UG/L (U)	04/23/2004
100425 Styrene	0.50 UG/L (U)	04/23/2004
108907 Chlorobenzene	0.50 UG/L (U)	04/23/2004
108383 m,p-Xylene	1.0 UG/L (U)	04/23/2004
127184 Tetrachloroethene	0.50 UG/L (U)	04/23/2004
98828 Isopropylbenzene	0.50 UG/L (U)	04/23/2004
156605 trans-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
106934 1,2-Dibromoethane	0.50 UG/L (U)	04/23/2004
109999 Tetrahydrofuran	0.50 UG/L (U)	04/23/2004
104518 n-Butylbenzene	0.50 UG/L (U)	04/23/2004
75014 Chloroethene	0.50 UG/L (U)	04/23/2004
95498 c-Chlorotoluene	0.50 UG/L (U)	04/23/2004
75274 Bromodichloromethane	0.50 UG/L (U)	04/23/2004
594207 2,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
563586 1,1-Dichloropropene	0.50 UG/L (U)	04/23/2004
120821 1,2,4-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
75150 Carbon Disulfide	0.50 UG/L (U)	04/23/2004
108101 MIBK	2.5 UG/L (U)	04/23/2004
98066 Tert-Butylbenzene	0.50 UG/L (U)	04/23/2004
75092 Methylene Chloride	0.50 UG/L (U)	04/23/2004
75343 1,1-Dichloroethane	0.50 UG/L (U)	04/23/2004
74873 Chloromethane	0.50 UG/L (U)	04/23/2004
74839 Bromomethane	0.50 UG/L (U)	04/23/2004
95476 c-Xylene	0.50 UG/L (U)	04/23/2004
1634044 Methyl Tert-Butyl Ether	0.50 UG/L (U)	04/23/2004

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Sample ID: 2119 054 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
71432 Benzene	0.50 UG/L (U)	04/23/2004
96184 1,2,3-Trichloropropane	0.50 UG/L (U)	04/23/2004
87616 1,2,3-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
74953 Dibromomethane	0.50 UG/L (U)	04/23/2004
591786 2-Hexanone	5.0 UG/L (U)	04/23/2004
156592 cis-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
10061015 cis-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
67663 Chloroform	0.50 UG/L (U)	04/23/2004
56235 Carbon Tetrachloride	0.50 UG/L (U)	04/23/2004
71556 1,1,1-Trichloroethane	0.50 UG/L (U)	04/23/2004
135988 Sec-Butylbenzene	0.50 UG/L (U)	04/23/2004
100414 Ethylbenzene	0.50 UG/L (U)	04/23/2004
79005 1,1,2-Trichloroethane	0.50 UG/L (U)	04/23/2004
91203 Naphthalene	2.0 UG/L (U)	04/23/2004
87683 Hexachlorobutadiene	1.0 UG/L (U)	04/23/2004
78875 1,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
107062 1,2-Dichloroethane	0.50 UG/L (U)	04/23/2004
106434 p-Chlorotoluene	0.50 UG/L (U)	04/23/2004
78933 MEK	2.5 UG/L (U)	04/23/2004
124481 Dibromochloromethane	0.50 UG/L (U)	04/23/2004
108678 1,3,5-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
10061026 trans-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
95636 1,2,4-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
75718 Dichlorodifluoromethane	0.50 UG/L (U)	04/23/2004
67641 Acetone	2.5 UG/L (U)	04/23/2004
98566 PCPFB	0.50 UG/L (U)	04/23/2004
79016 Trichloroethene	0.50 UG/L (U)	04/23/2004
142289 1,3-Dichloropropane	0.50 UG/L (U)	04/23/2004
75354 1,1-Dichloroethene	0.50 UG/L (U)	04/23/2004
75003 Chloroethane	0.50 UG/L (U)	04/23/2004
79345 1,1,2,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
108054 Vinyl Acetate	0.50 UG/L (U)	04/23/2004
75252 Bromoform	0.50 UG/L (U)	04/23/2004
99876 4-Isopropyltoluene	0.50 UG/L (U)	04/23/2004
95501 1,2-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
75694 Trichlorofluoromethane	0.50 UG/L (U)	04/23/2004
630206 1,1,1,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
106467 1,4-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
541731 1,3-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
108861 Bromobenzene	0.50 UG/L (U)	04/23/2004
103651 n-Propylbenzene	0.50 UG/L (U)	04/23/2004

□

ORGANICS LABORATORY QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.
- J - Indicates an estimated value, below the quantification limit, but above the method detection limit.
- N - Indicates presumptive evidence of a compound.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.
- Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.
- _ - (Underline) - The compound is present at the amount reported. No flag.
- X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

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Land Recycling & Waste Management

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Sample ID: 2119 055 04/13/2004 Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 12:00:00 PM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: field blank
Reason: Routine Sampling

Laboratory Sample ID: 02004001358 COMPLETED
Suite: VOA-1

Legal Seal: E027281 Intact: YES

Test/CAS# - Description	Reported Results	Completed
96128 1,2-Dibromo-3-chloropropane	1.0 UG/L (U)	04/23/2004
108883 Toluene	0.50 UG/L (U)	04/23/2004
100425 Styrene	0.50 UG/L (U)	04/23/2004
108907 Chlorobenzene	0.50 UG/L (U)	04/23/2004
108383 m/p-Xylene	1.0 UG/L (U)	04/23/2004
127184 Tetrachloroethene	0.50 UG/L (U)	04/23/2004
98828 Isopropylbenzene	0.50 UG/L (U)	04/23/2004
156605 trans-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
106934 1,2-Dibromoethane	0.50 UG/L (U)	04/23/2004
109999 Tetrahydrofuran	0.50 UG/L (U)	04/23/2004
104518 n-Butylbenzene	0.50 UG/L (U)	04/23/2004
75014 Chloroethene	0.50 UG/L (U)	04/23/2004
95498 o-Chlorotoluene	0.50 UG/L (U)	04/23/2004
75274 Bromodichloromethane	0.50 UG/L (U)	04/23/2004
594207 2,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
563586 1,1-Dichloropropene	0.50 UG/L (U)	04/23/2004
120821 1,2,4-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
75150 Carbon Disulfide	0.50 UG/L (U)	04/23/2004
108101 MIBK	2.5 UG/L (U)	04/23/2004
98066 Tert-Butylbenzene	0.50 UG/L (U)	04/23/2004
75092 Methylene Chloride	0.50 UG/L (U)	04/23/2004
75343 1,1-Dichloroethane	0.50 UG/L (U)	04/23/2004
74873 Chloromethane	0.50 UG/L (U)	04/23/2004
74839 Bromomethane	0.50 UG/L (U)	04/23/2004
95476 o-Xylene	0.50 UG/L (U)	04/23/2004
1634044 Methyl Tert-Butyl Ether	0.50 UG/L (U)	04/23/2004

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Sample ID: 2119 055 04/13/2004 Status: COMPLETED

Test/CAS#	Description	Reported Results	Completed
71432	Benzene	0.50 UG/L (U)	04/23/2004
96184	1,2,3-Trichloropropane	0.50 UG/L (U)	04/23/2004
87616	1,2,3-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
74953	Dibromomethane	0.50 UG/L (U)	04/23/2004
591786	2-Hexanone	5.0 UG/L (U)	04/23/2004
156592	cis-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
10061015	cis-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
67663	Chloroform	0.50 UG/L (U)	04/23/2004
56235	Carbon Tetrachloride	0.50 UG/L (U)	04/23/2004
71556	1,1,1-Trichloroethane	0.50 UG/L (U)	04/23/2004
135988	Sec-Butylbenzene	0.50 UG/L (U)	04/23/2004
100414	Ethylbenzene	0.50 UG/L (U)	04/23/2004
79005	1,1,2-Trichloroethane	0.50 UG/L (U)	04/23/2004
91203	Naphthalene	2.0 UG/L (U)	04/23/2004
87683	Hexachlorobutadiene	1.0 UG/L (U)	04/23/2004
78875	1,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
107062	1,2-Dichloroethane	0.50 UG/L (U)	04/23/2004
106434	p-Chlorotoluene	0.50 UG/L (U)	04/23/2004
78933	MEK	2.5 UG/L (U)	04/23/2004
124481	Dibromochloromethane	0.50 UG/L (U)	04/23/2004
108678	1,3,5-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
10061026	trans-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
95636	1,2,4-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
75718	Dichlorodifluoromethane	0.50 UG/L (U)	04/23/2004
67641	Acetone	2.5 UG/L (U)	04/23/2004
98566	PCTFB	0.50 UG/L (U)	04/23/2004
79016	Trichloroethene	0.50 UG/L (U)	04/23/2004
142289	1,3-Dichloropropane	0.50 UG/L (U)	04/23/2004
75354	1,1-Dichloroethene	0.50 UG/L (U)	04/23/2004
75003	Chloroethane	0.50 UG/L (U)	04/23/2004
79345	1,1,2,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
108054	Vinyl Acetate	0.50 UG/L (U)	04/23/2004
75252	Bromoform	0.50 UG/L (U)	04/23/2004
99876	4-Isopropyltoluene	0.50 UG/L (U)	04/23/2004
95501	1,2-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
75694	Trichlorofluoromethane	0.50 UG/L (U)	04/23/2004
630206	1,1,1,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
106467	1,4-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
541731	1,3-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
108861	Bromobenzene	0.50 UG/L (U)	04/23/2004
103651	n-Propylbenzene	0.50 UG/L (U)	04/23/2004

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ORGANICS LABORATORY QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.
- J - Indicates an estimated value, below the quantification limit, but above the method detection limit.
- N - Indicates presumptive evidence of a compound.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.
- Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.
- _ - (Underline) - The compound is present at the amount reported. No flag.
- X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

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Sample ID: 2119 056 04/13/2004 Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 01:45:00 PM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: MW-11
Reason: Routine Sampling

Laboratory Sample ID: 02004001359 COMPLETED
Suite: VOA-1

Legal Seal: E027288 Intact: YES

Test/CAS# - Description	Reported Results	Completed
96128 1,2-Dibromo-3-chloropropane	1.0 UG/L (U)	04/23/2004
108883 Toluene	0.50 UG/L (U)	04/23/2004
100425 Styrene	0.50 UG/L (U)	04/23/2004
108907 Chlorobenzene	0.50 UG/L (U)	04/23/2004
108383 m/p-Xylene	1.0 UG/L (U)	04/23/2004
127184 Tetrachloroethene	0.50 UG/L (U)	04/23/2004
98828 Isopropylbenzene	0.50 UG/L (U)	04/23/2004
156605 trans-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
106934 1,2-Dibromoethane	0.50 UG/L (U)	04/23/2004
109999 Tetrahydrofuran	0.50 UG/L (U)	04/23/2004
104518 n-Butylbenzene	0.50 UG/L (U)	04/23/2004
75014 Chloroethene	0.50 UG/L (U)	04/23/2004
95498 o-Chlorotoluene	0.50 UG/L (U)	04/23/2004
75274 Bromodichloromethane	0.50 UG/L (U)	04/23/2004
594207 2,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
563586 1,1-Dichloropropene	0.50 UG/L (U)	04/23/2004
120821 1,2,4-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
75150 Carbon Disulfide	0.50 UG/L (U)	04/23/2004
108101 MIBK	2.5 UG/L (U)	04/23/2004
98066 Tert-Butylbenzene	0.50 UG/L (U)	04/23/2004
75092 Methylene Chloride	0.50 UG/L (U)	04/23/2004
75343 1,1-Dichloroethane	0.50 UG/L (U)	04/23/2004
74873 Chloromethane	0.50 UG/L (U)	04/23/2004
74839 Bromomethane	0.50 UG/L (U)	04/23/2004
95476 o-Xylene	0.50 UG/L (U)	04/23/2004
1634044 Methyl Tert-Butyl Ether	0.50 UG/L (U)	04/23/2004

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Land Recycling & Waste Management

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Sample ID: 2119 056 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
71432 Benzene	0.50 UG/L (U)	04/23/2004
96184 1,2,3-Trichloropropane	0.50 UG/L (U)	04/23/2004
87616 1,2,3-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
74953 Dibromomethane	0.50 UG/L (U)	04/23/2004
591786 2-Hexanone	5.0 UG/L (U)	04/23/2004
156592 cis-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
10061015 cis-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
67663 Chloroform	0.50 UG/L (U)	04/23/2004
56235 Carbon Tetrachloride	0.50 UG/L (U)	04/23/2004
71556 1,1,1-Trichloroethane	0.50 UG/L (U)	04/23/2004
135988 Sec-Butylbenzene	0.50 UG/L (U)	04/23/2004
100414 Ethylbenzene	0.50 UG/L (U)	04/23/2004
79005 1,1,2-Trichloroethane	0.50 UG/L (U)	04/23/2004
91203 Naphthalene	2.0 UG/L (U)	04/23/2004
87683 Hexachlorobutadiene	1.0 UG/L (U)	04/23/2004
78875 1,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
107062 1,2-Dichloroethane	0.50 UG/L (U)	04/23/2004
106434 p-Chlorotoluene	0.50 UG/L (U)	04/23/2004
78933 MEK	2.5 UG/L (U)	04/23/2004
124481 Dibromochloromethane	0.50 UG/L (U)	04/23/2004
108678 1,3,5-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
10061026 trans-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
95636 1,2,4-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
75718 Dichlorodifluoromethane	0.50 UG/L (U)	04/23/2004
67641 Acetone	2.5 UG/L (U)	04/23/2004
98566 PCTFB	0.50 UG/L (U)	04/23/2004
79016 Trichloroethene	0.50 UG/L (U)	04/23/2004
142289 1,3-Dichloropropane	0.50 UG/L (U)	04/23/2004
75354 1,1-Dichloroethene	0.50 UG/L (U)	04/23/2004
75003 Chloroethane	0.50 UG/L (U)	04/23/2004
79345 1,1,2,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
108054 Vinyl Acetate	0.50 UG/L (U)	04/23/2004
75252 Bromoform	0.50 UG/L (U)	04/23/2004
99876 4-Isopropyltoluene	0.50 UG/L (U)	04/23/2004
95501 1,2-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
75694 Trichlorofluoromethane	0.50 UG/L (U)	04/23/2004
630206 1,1,1,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
106467 1,4-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
541731 1,3-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
108861 Bromobenzene	0.50 UG/L (U)	04/23/2004
103651 n-Propylbenzene	0.50 UG/L (U)	04/23/2004

□

ORGANICS LABORATORY QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.
- J - Indicates an estimated value, below the quantification limit, but above the method detection limit.
- N - Indicates presumptive evidence of a compound.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.
- Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.
- _ - (Underline) - The compound is present at the amount reported. No flag.
- X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

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Land Recycling & Waste Management

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Sample ID: 2119 057 04/13/2004

Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 03:00:00 PM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: MW-12
Reason: Routine Sampling

Laboratory Sample ID: 02004001360 COMPLETED
Suite: VOA-1

Legal Seal: E027295 Intact: YES

Test/CAS# - Description	Reported Results	Completed
96128 1,2-Dibromo-3-chloropropane	1.0 UG/L (U)	04/23/2004
108883 Toluene	0.50 UG/L (U)	04/23/2004
100425 Styrene	0.50 UG/L (U)	04/23/2004
108907 Chlorobenzene	0.50 UG/L (U)	04/23/2004
108383 m/p-Xylene	1.0 UG/L (U)	04/23/2004
127184 Tetrachloroethene	0.50 UG/L (U)	04/23/2004
98828 Isopropylbenzene	0.50 UG/L (U)	04/23/2004
156605 trans-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
106934 1,2-Dibromoethane	0.50 UG/L (U)	04/23/2004
109999 Tetrahydrofuran	0.50 UG/L (U)	04/23/2004
104518 n-Butylbenzene	0.50 UG/L (U)	04/23/2004
75014 Chloroethene	0.50 UG/L (U)	04/23/2004
95498 o-Chlorotoluene	0.50 UG/L (U)	04/23/2004
75274 Bromodichloromethane	0.50 UG/L (U)	04/23/2004
594207 2,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
563586 1,1-Dichloropropene	0.50 UG/L (U)	04/23/2004
120821 1,2,4-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
75150 Carbon Disulfide	0.50 UG/L (U)	04/23/2004
108101 MIBK	2.5 UG/L (U)	04/23/2004
98066 Tert-Butylbenzene	0.50 UG/L (U)	04/23/2004
75092 Methylene Chloride	0.50 UG/L (U)	04/23/2004
75343 1,1-Dichloroethane	0.50 UG/L (U)	04/23/2004
74873 Chloromethane	0.50 UG/L (U)	04/23/2004
74839 Bromomethane	0.50 UG/L (U)	04/23/2004
95476 o-Xylene	0.50 UG/L (U)	04/23/2004
1634044 Methyl Tert-Butyl Ether	0.50 UG/L (U)	04/23/2004

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Sample ID: 2119 057 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
71432 Benzene	0.50 UG/L (U)	04/23/2004
96184 1,2,3-Trichloropropane	0.50 UG/L (U)	04/23/2004
87616 1,2,3-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
74953 Dibromomethane	0.50 UG/L (U)	04/23/2004
591786 2-Hexanone	5.0 UG/L (U)	04/23/2004
156592 cis-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
10061015 cis-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
67663 Chloroform	0.50 UG/L (U)	04/23/2004
56235 Carbon Tetrachloride	0.50 UG/L (U)	04/23/2004
71556 1,1,1-Trichloroethane	0.50 UG/L (U)	04/23/2004
135988 Sec-Butylbenzene	0.50 UG/L (U)	04/23/2004
100414 Ethylbenzene	0.50 UG/L (U)	04/23/2004
79005 1,1,2-Trichloroethane	0.50 UG/L (U)	04/23/2004
91203 Naphthalene	2.0 UG/L (U)	04/23/2004
87683 Hexachlorobutadiene	1.0 UG/L (U)	04/23/2004
78875 1,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
107062 1,2-Dichloroethane	0.50 UG/L (U)	04/23/2004
106434 p-Chlorotoluene	0.50 UG/L (U)	04/23/2004
78933 MEK	2.5 UG/L (U)	04/23/2004
124481 Dibromochloromethane	0.50 UG/L (U)	04/23/2004
108678 1,3,5-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
10061026 trans-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
95636 1,2,4-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
75718 Dichlorodifluoromethane	0.50 UG/L (U)	04/23/2004
67641 Acetone	2.5 UG/L (U)	04/23/2004
98566 PCTFB	0.50 UG/L (U)	04/23/2004
79016 Trichloroethene	0.50 UG/L (U)	04/23/2004
142289 1,3-Dichloropropane	0.50 UG/L (U)	04/23/2004
75354 1,1-Dichloroethene	0.50 UG/L (U)	04/23/2004
75003 Chloroethane	0.50 UG/L (U)	04/23/2004
79345 1,1,2,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
108054 Vinyl Acetate	0.50 UG/L (U)	04/23/2004
75252 Bromoform	0.50 UG/L (U)	04/23/2004
99876 4-Isopropyltoluene	0.50 UG/L (U)	04/23/2004
95501 1,2-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
75694 Trichlorofluoromethane	0.50 UG/L (U)	04/23/2004
630206 1,1,1,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
106467 1,4-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
541731 1,3-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
108861 Bromobenzene	0.50 UG/L (U)	04/23/2004
103651 n-Propylbenzene	0.50 UG/L (U)	04/23/2004

□

ORGANICS LABORATORY QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.
- J - Indicates an estimated value, below the quantification limit, but above the method detection limit.
- N - Indicates presumptive evidence of a compound.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.
- Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.
- _ - (Underline) - The compound is present at the amount reported. No flag.
- X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

04/26/2004 12:30:02 AM

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Analytical Report For
Land Recycling & Waste Management

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Sample ID: 2119 059 04/14/2004

Status: COMPLETED

Collector: Jennifer A Wilson
 Collected: 04/14/2004 08:00:00 AM

County: Montgomery
 Municipality: Douglass Twp

State: PA

BOYERTOWN SANITARY LANDFILL
 300 MERKEL ROAD
 GILBERTSVILLE PA 19525-

Location: MW-10
 Reason: Routine Sampling

Laboratory Sample ID: O2004001362
 Suite: VOA-1

COMPLETED

Legal Seal: E027309 Intact: YES

Test/CAS# - Description	Reported Results	Completed
96128 1,2-Dibromo-3-chloropropane	1.0 UG/L (U)	04/23/2004
108883 Toluene	0.50 UG/L (U)	04/23/2004
100425 Styrene	0.50 UG/L (U)	04/23/2004
108907 Chlorobenzene	0.50 UG/L (U)	04/23/2004
108383 m/p-Xylene	1.0 UG/L (U)	04/23/2004
127184 Tetrachloroethene	0.50 UG/L (U)	04/23/2004
98828 Isopropylbenzene	0.50 UG/L (U)	04/23/2004
156605 trans-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
106934 1,2-Dibromoethane	0.50 UG/L (U)	04/23/2004
109999 Tetrahydrofuran	0.50 UG/L (U)	04/23/2004
104518 n-Butylbenzene	0.50 UG/L (U)	04/23/2004
75014 Chloroethene	0.50 UG/L (U)	04/23/2004
95498 o-Chlorotoluene	0.50 UG/L (U)	04/23/2004
75274 Bromodichloromethane	0.50 UG/L (U)	04/23/2004
594207 2,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
563586 1,1-Dichloropropene	0.50 UG/L (U)	04/23/2004
120821 1,2,4-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
75150 Carbon Disulfide	0.50 UG/L (U)	04/23/2004
108101 MIBK	2.5 UG/L (U)	04/23/2004
98066 Tert-Butylbenzene	0.50 UG/L (U)	04/23/2004
75092 Methylene Chloride	0.50 UG/L (U)	04/23/2004
75343 1,1-Dichloroethane	0.50 UG/L (U)	04/23/2004
74873 Chloromethane	0.50 UG/L (U)	04/23/2004
74839 Bromomethane	0.50 UG/L (U)	04/23/2004
95476 o-Xylene	0.50 UG/L (U)	04/23/2004
1634044 Methyl Tert-Butyl Ether	0.50 UG/L (U)	04/23/2004

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Land Recycling & Waste Management

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Sample ID: 2119 059 04/14/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
71432 Benzene	0.50 UG/L (U)	04/23/2004
96184 1,2,3-Trichloropropane	0.50 UG/L (U)	04/23/2004
87616 1,2,3-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
74953 Dibromomethane	0.50 UG/L (U)	04/23/2004
591786 2-Hexanone	5.0 UG/L (U)	04/23/2004
156592 cis-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
10061015 cis-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
67663 Chloroform	0.50 UG/L (U)	04/23/2004
56235 Carbon Tetrachloride	0.50 UG/L (U)	04/23/2004
71556 1,1,1-Trichloroethane	0.50 UG/L (U)	04/23/2004
135988 Sec-Butylbenzene	0.50 UG/L (U)	04/23/2004
100414 Ethylbenzene	0.50 UG/L (U)	04/23/2004
79005 1,1,2-Trichloroethane	0.50 UG/L (U)	04/23/2004
91203 Naphthalene	2.0 UG/L (U)	04/23/2004
87683 Hexachlorobutadiene	1.0 UG/L (U)	04/23/2004
78875 1,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
107062 1,2-Dichloroethane	0.50 UG/L (U)	04/23/2004
106434 p-Chlorotoluene	0.50 UG/L (U)	04/23/2004
78933 MEK	2.5 UG/L (U)	04/23/2004
124481 Dibromochloromethane	0.50 UG/L (U)	04/23/2004
108678 1,3,5-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
10061026 trans-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
95636 1,2,4-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
75718 Dichlorodifluoromethane	0.50 UG/L (U)	04/23/2004
67641 Acetone	2.5 UG/L (U)	04/23/2004
98566 PCTFB	0.50 UG/L (U)	04/23/2004
79016 Trichloroethene	0.50 UG/L (U)	04/23/2004
142289 1,3-Dichloropropane	0.50 UG/L (U)	04/23/2004
75354 1,1-Dichloroethene	0.50 UG/L (U)	04/23/2004
75003 Chloroethane	0.50 UG/L (U)	04/23/2004
79345 1,1,2,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
108054 Vinyl Acetate	0.50 UG/L (U)	04/23/2004
75252 Bromoform	0.50 UG/L (U)	04/23/2004
99876 4-Isopropyltoluene	0.50 UG/L (U)	04/23/2004
95501 1,2-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
75694 Trichlorofluoromethane	0.50 UG/L (U)	04/23/2004
630206 1,1,1,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
106467 1,4-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
541731 1,3-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
108861 Bromobenzene	0.50 UG/L (U)	04/23/2004
103651 n-Propylbenzene	0.50 UG/L (U)	04/23/2004

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ORGANICS LABORATORY QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.
- J - Indicates an estimated value, below the quantification limit, but above the method detection limit.
- N - Indicates presumptive evidence of a compound.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.
- Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.
- _ - (Underline) - The compound is present at the amount reported. No flag.
- X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

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Analytical Report For
Land Recycling & Waste Management

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Sample ID: 2119 060 04/14/2004 Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/14/2004 09:00:00 AM

County: Montgomery State: PA
Municipality: Douglass Twp

BOYERTOWN SANITARY LANDFILL
300 MERKEL ROAD
GILBERTSVILLE PA 19525-

Location: MW-9
Reason: Routine Sampling

Laboratory Sample ID: 02004001363 COMPLETED
Suite: VOA-1

Legal Seal: E027316 Intact: YES

Test/CAS# - Description	Reported Results	Completed
96128 1,2-Dibromo-3-chloropropane	1.0 UG/L (U)	04/23/2004
108883 Toluene	0.50 UG/L (U)	04/23/2004
100425 Styrene	0.50 UG/L (U)	04/23/2004
108907 Chlorobenzene	0.50 UG/L (U)	04/23/2004
108383 m/p-Xylene	1.0 UG/L (U)	04/23/2004
127184 Tetrachloroethene	0.50 UG/L (U)	04/23/2004
98828 Isopropylbenzene	0.50 UG/L (U)	04/23/2004
156605 trans-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
106934 1,2-Dibromoethane	0.50 UG/L (U)	04/23/2004
109999 Tetrahydrofuran	0.50 UG/L (U)	04/23/2004
104518 n-Butylbenzene	0.50 UG/L (U)	04/23/2004
75014 Chloroethene	0.50 UG/L (U)	04/23/2004
95498 o-Chlorotoluene	0.50 UG/L (U)	04/23/2004
75274 Bromodichloromethane	0.50 UG/L (U)	04/23/2004
594207 2,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
563586 1,1-Dichloropropene	0.50 UG/L (U)	04/23/2004
120821 1,2,4-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
75150 Carbon Disulfide	0.50 UG/L (U)	04/23/2004
108101 MIBK	2.5 UG/L (U)	04/23/2004
98066 Tert-Butylbenzene	0.50 UG/L (U)	04/23/2004
75092 Methylene Chloride	0.50 UG/L (U)	04/23/2004
75343 1,1-Dichloroethane	0.50 UG/L (U)	04/23/2004
74873 Chloromethane	0.50 UG/L (U)	04/23/2004
74839 Bromomethane	0.50 UG/L (U)	04/23/2004
95476 o-Xylene	0.50 UG/L (U)	04/23/2004
1634044 Methyl Tert-Butyl Ether	0.50 UG/L (U)	04/23/2004

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Analytical Report For
Land Recycling & Waste Management

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Sample ID: 2119 060 04/14/2004 Status: COMPLETED

Test/CAS#	Description	Reported Results	Completed
71432	Benzene	0.50 UG/L (U)	04/23/2004
96184	1,2,3-Trichloropropane	0.50 UG/L (U)	04/23/2004
87616	1,2,3-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
74953	Dibromomethane	0.50 UG/L (U)	04/23/2004
591786	2-Hexanone	5.0 UG/L (U)	04/23/2004
156592	cis-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
10061015	cis-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
67663	Chloroform	0.50 UG/L (U)	04/23/2004
56235	Carbon Tetrachloride	0.50 UG/L (U)	04/23/2004
71556	1,1,1-Trichloroethane	0.50 UG/L (U)	04/23/2004
135988	Sec-Butylbenzene	0.50 UG/L (U)	04/23/2004
100414	Ethylbenzene	0.50 UG/L (U)	04/23/2004
79005	1,1,2-Trichloroethane	0.50 UG/L (U)	04/23/2004
91203	Naphthalene	2.0 UG/L (U)	04/23/2004
87683	Hexachlorobutadiene	1.0 UG/L (U)	04/23/2004
78875	1,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
107062	1,2-Dichloroethane	0.50 UG/L (U)	04/23/2004
106434	p-Chlorotoluene	0.50 UG/L (U)	04/23/2004
78933	MEK	2.5 UG/L (U)	04/23/2004
124481	Dibromochloromethane	0.50 UG/L (U)	04/23/2004
108678	1,3,5-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
10061026	trans-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
95636	1,2,4-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
75718	Dichlorodifluoromethane	0.50 UG/L (U)	04/23/2004
67641	Acetone	2.5 UG/L (U)	04/23/2004
98566	PCTFB	0.50 UG/L (U)	04/23/2004
79016	Trichloroethene	0.50 UG/L (U)	04/23/2004
142289	1,3-Dichloropropane	0.50 UG/L (U)	04/23/2004
75354	1,1-Dichloroethene	0.50 UG/L (U)	04/23/2004
75003	Chloroethane	0.50 UG/L (U)	04/23/2004
79345	1,1,2,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
108054	Vinyl Acetate	0.50 UG/L (U)	04/23/2004
75252	Bromoform	0.50 UG/L (U)	04/23/2004
99876	4-Isopropyltoluene	0.50 UG/L (U)	04/23/2004
95501	1,2-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
75694	Trichlorofluoromethane	0.50 UG/L (U)	04/23/2004
630206	1,1,1,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
106467	1,4-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
541731	1,3-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
108861	Bromobenzene	0.50 UG/L (U)	04/23/2004
103651	n-Propylbenzene	0.50 UG/L (U)	04/23/2004

□

ORGANICS LABORATORY QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.
- J - Indicates an estimated value, below the quantification limit, but above the method detection limit.
- N - Indicates presumptive evidence of a compound.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.
- Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.
- _ - (Underline) - The compound is present at the amount reported. No flag.
- X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

05/03/2004 12:30:03 AM

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DEP Bureau of Laboratories
 Analytical Report For
 Land Recycling & Waste Management

Page: 001

Sample ID: 2119 061 04/13/2004 Status: COMPLETED

Collector: Jennifer A Wilson
 Collected: 04/13/2004 10:30:00 AM

County: NOT INDICATED State:
 Municipality: NOT INDICATED

Location: NOT INDICATED MW-6
 Reason: Routine Sampling

Laboratory Sample ID: 02004001364 COMPLETED
 Suite: VOA-1

Legal Seal: E027330 Intact: YES

Test/CAS# - Description	Reported Results	Completed
96128 1,2-Dibromo-3-chloropropane	1.0 UG/L (U)	04/23/2004
108883 Toluene	0.50 UG/L (U)	04/23/2004
100425 Styrene	0.50 UG/L (U)	04/23/2004
108907 Chlorobenzene	0.50 UG/L (U)	04/23/2004
108383 m/p-Xylene	1.0 UG/L (U)	04/23/2004
127184 Tetrachloroethene	0.50 UG/L (U)	04/23/2004
98828 Isopropylbenzene	0.50 UG/L (U)	04/23/2004
156605 trans-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
106934 1,2-Dibromoethane	0.50 UG/L (U)	04/23/2004
109999 Tetrahydrofuran	0.50 UG/L (U)	04/23/2004
104518 n-Butylbenzene	0.50 UG/L (U)	04/23/2004
75014 Chloroethene	0.50 UG/L (U)	04/23/2004
95498 o-Chlorotoluene	0.50 UG/L (U)	04/23/2004
75274 Bromodichloromethane	0.50 UG/L (U)	04/23/2004
594207 2,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
563586 1,1-Dichloropropene	0.50 UG/L (U)	04/23/2004
120821 1,2,4-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
75150 Carbon Disulfide	0.50 UG/L (U)	04/23/2004
108101 MIBK	2.5 UG/L (U)	04/23/2004
98066 Tert-Butylbenzene	0.50 UG/L (U)	04/23/2004
75092 Methylene Chloride	0.50 UG/L (U)	04/23/2004
75343 1,1-Dichloroethane	0.50 UG/L (U)	04/23/2004
74873 Chloromethane	0.50 UG/L (U)	04/23/2004
74839 Bromomethane	0.50 UG/L (U)	04/23/2004
95476 o-Xylene	0.50 UG/L (U)	04/23/2004
1634044 Methyl Tert-Butyl Ether	0.50 UG/L (U)	04/23/2004
71432 Benzene	0.50 UG/L (U)	04/23/2004
96184 1,2,3-Trichloropropane	0.50 UG/L (U)	04/23/2004
87616 1,2,3-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
74953 Dibromomethane	0.50 UG/L (U)	04/23/2004

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05/03/2004 12:30:03 AM

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Land Recycling & Waste Management

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Sample ID: 2119 061 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
591786 2-Hexanone	5.0 UG/L (U)	04/23/2004
156592 cis-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
10061015 cis-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
67663 Chloroform	0.50 UG/L (U)	04/23/2004
56235 Carbon Tetrachloride	0.50 UG/L (U)	04/23/2004
71556 1,1,1-Trichloroethane	0.50 UG/L (U)	04/23/2004
135988 Sec-Butylbenzene	0.50 UG/L (U)	04/23/2004
100414 Ethylbenzene	0.50 UG/L (U)	04/23/2004
79005 1,1,2-Trichloroethane	0.50 UG/L (U)	04/23/2004
91203 Naphthalene	2.0 UG/L (U)	04/23/2004
87683 Hexachlorobutadiene	1.0 UG/L (U)	04/23/2004
78875 1,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
107062 1,2-Dichloroethane	0.50 UG/L (U)	04/23/2004
106434 p-Chlorotoluene	0.50 UG/L (U)	04/23/2004
78933 MEK	2.5 UG/L (U)	04/23/2004
124481 Dibromochloromethane	0.50 UG/L (U)	04/23/2004
108678 1,3,5-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
10061026 trans-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
95636 1,2,4-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
75718 Dichlorodifluoromethane	0.50 UG/L (U)	04/23/2004
67641 Acetone	2.5 UG/L (U)	04/23/2004
98566 PCTFB	0.50 UG/L (U)	04/23/2004
79016 Trichloroethene	0.50 UG/L (U)	04/23/2004
142289 1,3-Dichloropropane	0.50 UG/L (U)	04/23/2004
75354 1,1-Dichloroethene	0.50 UG/L (U)	04/23/2004
75003 Chloroethane	0.50 UG/L (U)	04/23/2004
79345 1,1,2,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
108054 Vinyl Acetate	0.50 UG/L (U)	04/23/2004
75252 Bromoform	0.50 UG/L (U)	04/23/2004
99876 4-Isopropyltoluene	0.50 UG/L (U)	04/23/2004
95501 1,2-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
75694 Trichlorofluoromethane	0.50 UG/L (U)	04/23/2004
630206 1,1,1,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
106467 1,4-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
541731 1,3-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
108861 Bromobenzene	0.50 UG/L (U)	04/23/2004
103651 n-Propylbenzene	0.50 UG/L (U)	04/23/2004

□

ORGANICS LABORATORY QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.
- J - Indicates an estimated value, below the quantification limit, but above the method detection limit.
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- Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.
- _ - (Underline) - The compound is present at the amount reported. No flag.
- X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

05/03/2004 12:30:03 AM

DEP Bureau of Laboratories
Analytical Report For
Land Recycling & Waste Management

Page: 001

Sample ID: 2119 062 04/13/2004

Status: COMPLETED

Collector: Jennifer A Wilson
Collected: 04/13/2004 09:30:00 AM

County: NOT INDICATED
Municipality: NOT INDICATED

Location: NOT INDICATED
Reason: Routine Sampling

State:

AMW-1

Laboratory Sample ID: O2004001365
Suite: VOA-1

COMPLETED

Legal Seal: E027323 Intact: YES

Test/CAS# - Description	Reported Results	Completed
96128 1,2-Dibromo-3-chloropropane	1.0 UG/L (U)	04/23/2004
108883 Toluene	0.50 UG/L (U)	04/23/2004
100425 Styrene	0.50 UG/L (U)	04/23/2004
108907 Chlorobenzene	0.50 UG/L (U)	04/23/2004
108383 m/p-Xylene	1.0 UG/L (U)	04/23/2004
127184 Tetrachloroethene	0.50 UG/L (U)	04/23/2004
98828 Isopropylbenzene	0.50 UG/L (U)	04/23/2004
156605 trans-1,2-Dichloroethene	0.50 UG/L (U)	04/23/2004
106934 1,2-Dibromoethane	0.50 UG/L (U)	04/23/2004
109999 Tetrahydrofuran	2.0 UG/L	04/23/2004
104518 n-Butylbenzene	0.50 UG/L (U)	04/23/2004
75014 Chloroethene	1.2 UG/L	04/23/2004
95498 o-Chlorotoluene	0.50 UG/L (U)	04/23/2004
75274 Bromodichloromethane	0.50 UG/L (U)	04/23/2004
594207 2,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
563586 1,1-Dichloropropene	0.50 UG/L (U)	04/23/2004
120821 1,2,4-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
75150 Carbon Disulfide	0.50 UG/L (U)	04/23/2004
108101 MIBK	2.5 UG/L (U)	04/23/2004
98066 Tert-Butylbenzene	0.50 UG/L (U)	04/23/2004
75092 Methylene Chloride	0.50 UG/L (U)	04/23/2004
75343 1,1-Dichloroethane	0.58 UG/L	04/23/2004
74873 Chloromethane	0.50 UG/L (U)	04/23/2004
74839 Bromomethane	0.50 UG/L (U)	04/23/2004
95476 o-Xylene	0.50 UG/L (U)	04/23/2004
1634044 Methyl Tert-Butyl Ether	0.50 UG/L (U)	04/23/2004
71432 Benzene	0.50 UG/L (U)	04/23/2004
96184 1,2,3-Trichloropropane	0.50 UG/L (U)	04/23/2004
87616 1,2,3-Trichlorobenzene	1.0 UG/L (U)	04/23/2004
74953 Dibromomethane	0.50 UG/L (U)	04/23/2004

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05/03/2004 12:30:03 AM

DEP Bureau of Laboratories
Analytical Report For
Land Recycling & Waste Management

Page: 002

Sample ID: 2119 062 04/13/2004 Status: COMPLETED

Test/CAS# - Description	Reported Results	Completed
591786 2-Hexanone	5.0 UG/L (U)	04/23/2004
156592 cis-1,2-Dichloroethene	28.2 UG/L	04/23/2004
10061015 cis-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
67663 Chloroform	0.50 UG/L (U)	04/23/2004
56235 Carbon Tetrachloride	0.50 UG/L (U)	04/23/2004
71556 1,1,1-Trichloroethane	0.50 UG/L (U)	04/23/2004
135988 Sec-Butylbenzene	0.50 UG/L (U)	04/23/2004
100414 Ethylbenzene	0.50 UG/L (U)	04/23/2004
79005 1,1,2-Trichloroethane	0.50 UG/L (U)	04/23/2004
91203 Naphthalene	2.0 UG/L (U)	04/23/2004
87683 Hexachlorobutadiene	1.0 UG/L (U)	04/23/2004
78875 1,2-Dichloropropane	0.50 UG/L (U)	04/23/2004
107062 1,2-Dichloroethane	0.50 UG/L (U)	04/23/2004
106434 p-Chlorotoluene	0.50 UG/L (U)	04/23/2004
78933 MEK	2.5 UG/L (U)	04/23/2004
124481 Dibromochloromethane	0.50 UG/L (U)	04/23/2004
108678 1,3,5-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
10061026 trans-1,3-Dichloropropene	0.50 UG/L (U)	04/23/2004
95636 1,2,4-Trimethylbenzene	0.50 UG/L (U)	04/23/2004
75718 Dichlorodifluoromethane	0.50 UG/L (U)	04/23/2004
67641 Acetone	2.5 UG/L (U)	04/23/2004
98566 PCTFB	0.50 UG/L (U)	04/23/2004
79016 Trichloroethene	20.0 UG/L	04/23/2004
142289 1,3-Dichloropropane	0.50 UG/L (U)	04/23/2004
75354 1,1-Dichloroethene	0.50 UG/L (U)	04/23/2004
75003 Chloroethane	0.59 UG/L	04/23/2004
79345 1,1,2,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
108054 Vinyl Acetate	0.50 UG/L (U)	04/23/2004
75252 Bromoform	0.50 UG/L (U)	04/23/2004
99876 4-Isopropyltoluene	0.50 UG/L (U)	04/23/2004
95501 1,2-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
75694 Trichlorofluoromethane	0.49 UG/L (J)	04/23/2004
630206 1,1,1,2-Tetrachloroethane	0.50 UG/L (U)	04/23/2004
106467 1,4-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
541731 1,3-Dichlorobenzene	0.50 UG/L (U)	04/23/2004
108861 Bromobenzene	0.50 UG/L (U)	04/23/2004
103651 n-Propylbenzene	0.50 UG/L (U)	04/23/2004

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